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# DROUGHT RESISTANT PLANTS

"From over the world to  
the world over"



CATALOGUE NO. 5

## KNICKERBOCKER CACTI and SUCCULENT GARDENS

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## FOREWORD

### *Read Carefully*

These prices are F.O.B. San Diego, Calif. Heavy plants will be sent Express Collect or, if sent by mail, postage may be sent upon receipt of plants. This is to insure that I shall not be niggardly in the size of the plants I send you. This does not mean that I'll give you a \$1 plant for 15c, but the best 15c one I have. Please mention when ordering that you will send postage on receipt of plants. "S" indicates seedling.

I do my very best about plant names, but cannot positively guarantee them as too many of them are still in doubt among the expert botanists.

This catalogue supersedes all former ones.

Please make checks and money orders payable to: Neff K. Bakkers.

Prices and genera are now fairly well established so in the future bulletins will be issued to those interested enough to write a postal requesting to have their names placed one file, and this will be the last complete catalogue to be issued for a long time. The bulletins will contain new materials and any necessary changes of the catalogue.



## CACTI FOR THE AMATEUR

*By SCOTT E. HASELTON (1938)*

What cacti are and how to grow them. The most popular and valuable book for the beginner. 150 pages and 160 illustrations, including color plate of 110 named cacti. Paper bound \$1.00. Board bound \$1.50. (Foreign postage 15c.)

*The thousands of letters of appreciation have led to a second printing within the first year.*



## SUCCULENTS FOR THE AMATEUR

*By BROWNE, WHITE, SLOANE, REYNOLDS*

*Edited by SCOTT E. HASELTON (1939)*

A companion book to aid the beginner in selecting and naming succulents other than cacti. Clear illustrations of 400 plants and introductions to 800 names. 11 color plates. 172 pages. Paper bound \$1.00. Cloth bound \$2.00. (Foreign postage 15c.)

*Endorsed by the Cactus and Succulent Society of America. This book is priced at one third of its value so that every succulent grower may have one.*



## CACTUS AND SUCCULENT JOURNAL

Published monthly by the Cactus and Succulent Society of America. Of interest to amateur and scientist. \$3.00 per year includes membership to Society. Address Box 101, Pasadena, California, or order from me.

# THE DESERT PLANT LIFE

A worthwhile monthly magazine devoted to Cacti and Succulents. \$1.50 per year. Address Box 68, Pasadena, California, or order from me.

## CULTURAL DIRECTIONS

### Ideal Soil Mixture

Mix 1 part sand, 1 part garden soil, 1 part leaf mould, 1 part well rotted manure and screen. To this mixture add 1 tablespoon of air slaked lime and 1 tablespoon of powdered charcoal to a 5-in. pot. The lime should not be used with *Epiphylla* and related genera.

### Cacti

Globular forms require a small amount of moisture if grown in pots. It is well to have very coarse sand, gravel or broken stones directly under the plant.

Columnar forms may be planted directly in the soil mixture.

A half cup of water to a 5-in. pot each week is sufficient during the growing season for the larger cacti. During the cold or dormant season it is well to water very sparingly. *Epiphylla*, either in pots or in the ground, require shade and plenty of moisture. Cactus plants in the ground do best if kept slightly damp during the growing season.

### Succulents

Succulents, generally speaking, will stand more water than Cacti and a richer, heavier soil. My plants are field grown and very sturdy. They are not at all like the tender plants grown under glass and can be grown out of doors anywhere in the United States during the frostless season if given good drainage so that the base of the plant is not kept unduly wet. In winter water sparingly.

## FERTILIZER

Any good commercial fertilizer may be used, or weak manure water, given at two week intervals during the growing season only, gives good results.

One thing to remember is, that in the limited root space of a pot or bowl, a plant never reaches its maximum size and many plants in one bowl will remain small.

# KNICKERBOCKER CACTI AND SUCCULENTS

NEFF K. BAKKERS

P.O. Address: R.R. 3, San Diego, Calif.

## Catalogue No. 5

Prices subject to change for the following reasons:

Small ones becoming large increase in price.

Those of ready propagation becoming numerous  
decrease in price.



## SUCCULENTS

### ADROMISCHUS

<i>Adromischus clavifolius (vanderheydeni)</i> . Afr. Forms dense clusters of thick, olive green, distinctly spotted leaves. S. Afr.	15c to 25c
A. <i>cooperi</i> . S. Afr. Thick, spotted, brown leaves like plover's eggs	25c
A. <i>cristatus</i> . S. Afr. Green, downy, crenulate leaves in a pleasing rosette	25c
A. <i>maculatus</i> . A real gem for a pot plant. Purple mottled on a green ground, not common. Small plant	50c

### AGAVE

#### The century plant

Suitable for hillsides and large plantings along with *Aloes*. A few varieties are small and lovely for urns and smaller pots.

A. <i>americana</i> . Mexico. Blue gray. Marked like moire silk. In maturity leaves are 6 to 8 ft. long	10c to 25c
var. <i>marginata</i> . Bordered with yellow	25c
var. <i>medio picta</i> . Central yellow band	25c
var. <i>variegata</i> . Variously lined	25c
A. <i>attenuata</i> . Mexico. Soft green rosettes, unarmed, one of the best	25c, 50c, \$1.00
A. <i>decipiens</i> . Yucatan. Beautiful stately dark green; curved stiff leaves. Suckers should be kept off, 6 to 8 feet tall mature. Stays small in pots	10c to 25c



Left—*Haemanthus* sp.

Right—*Agave Victoriae-reginae*

A. <i>ferdinandi-regis</i> . Mexico. Very rare. One of the small beautiful varieties similar to <i>victoriae-regina</i> but differing in fewer leaves and more open rosettes and a triple instead of a single terminal spine	\$1.00
A. <i>ferox</i> . Mexico. One of the loveliest with waxy concave outcurved dark green leaves 12 to 48 in. long	25c to \$1.00
A. <i>perplexans</i> . Small and compact. Outcurving threads and marbling of white lines make it a very decorative plant	25c
A. <i>roezliana</i> .	
var. <i>gilbeyi</i> ( <i>A. horrida</i> var. <i>gilbeyi</i> ). A very beautiful Agave. Slow growing. Good size	50c
A. <i>shawi</i> . San Diego and Lower Calif. Handsome; dark green, red teeth	50c to \$2.00
A. <i>victoriae-reginae</i> . A perfect plant like a piece of carving. Globose; incurved, heavy leaves 8 in. long when mature. Marbled with white	25c to \$1.00

## AEONIUM

A. <i>arborescens</i> . Green	15c to 25c
var. <i>astropurpurea</i> . Brownish rosettes	15c to 25c
Crests of <i>astropurpurea</i> very handsome. Like cock's comb	50c to \$1.00
A. <i>decorum</i> . Rather small rosettes on shrub, turning beautiful color in fall.	
A. <i>haworthi</i> . Very stiff leaved rosette on small shrub.	
A. <i>lindleyi</i> . Attractive, dark green, downy rosettes on small shrub	
A. <i>nobile</i> . Very rare plant. Makes a large rosette	35c
A. <i>sedifolium</i> . Small shiny rosettes in clumps	15c
A. <i>tabulaeforme</i> . Leaves inlaid like marquetry. A downy, absolute flat rosette	35c to 50c
A. <i>tourniforti</i> . Serrated edges, small rosettes on a shrub	35c
Aichryson <i>tortuosum</i> . Compact little rosettes composed of tiny thick leaves	15c and 25c

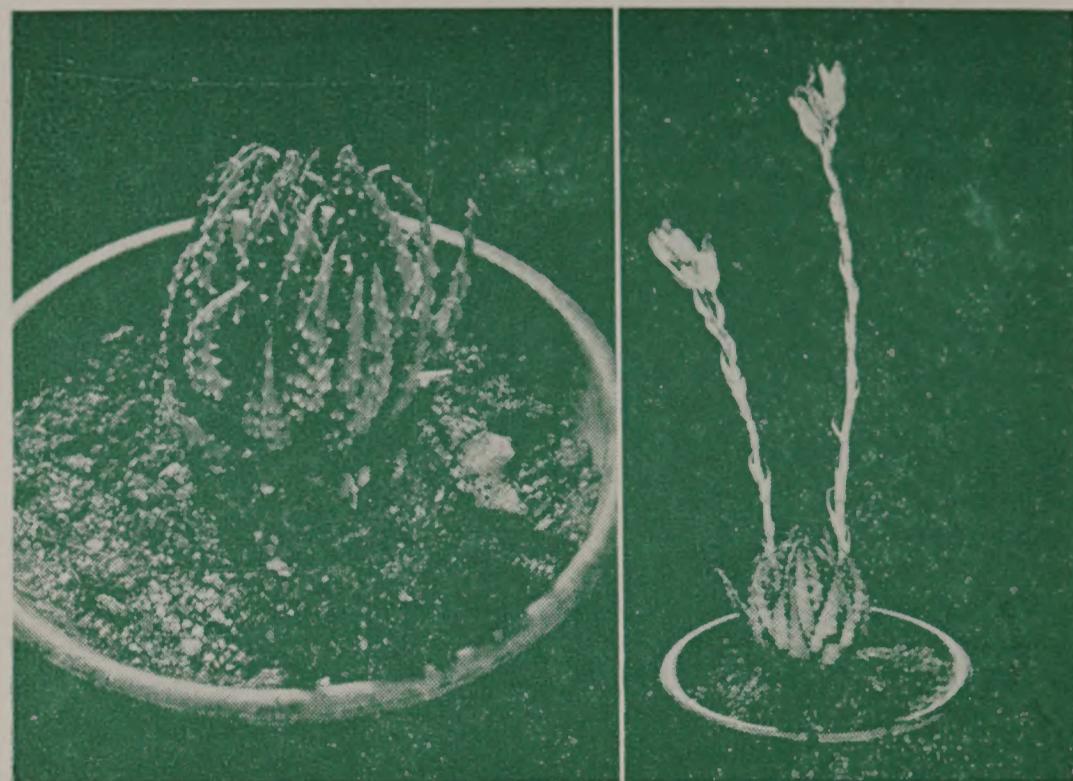
The above are a group of generally large, showy plants consisting of many stalked rosettes. Most of them are native of the Canary Islands. Prices, except otherwise marked 15c to 25c

## ALOE

Choice of one each of any 5 marked with asterisk (\*) for \$1.00 postpaid. If you care to pay the postage, larger plants will be sent in all collection offers.

Foreword: For canyon hillsides and larger plantings, nothing can exceed the larger Agaves and Aloes. Aloes are a blaze of color when in bloom. There are Agaves and Aloes to suit every taste and every requirement. Colors of blossoms range from pale yellow or green to orange and brilliant scarlet.

A. <i>africana</i> . Cape. One of the most beautiful. Heavily warty. Handsome glossy flowers	50c
A. <i>andringitrensis</i> — nearly stemless — dark orange-red flowers	25c
*A. <i>arborescens</i> . The Torch or the Red Hot Poker. Forms clumps of enormous size with long spikes of brilliant blooms of orange scarlet, small	15c
A. <i>aristata</i> . Cape of Good Hope. The rarest of small Aloes. Very beautiful, like a large <i>Haworthia</i> . Closely set white marginal teeth. Slow to offset and never grows large. Has won a prize wherever shown	75c to \$1
A. <i>ausana</i> . Similar to <i>A. variegata</i> but decidedly plumper with more obtuse leaves and better and stronger	25c to \$1.00
A. <i>barbatoniae</i> . Blue green with white spots	25c
A. <i>brunnthalerii</i> . Very beautiful blossoms	50c



Right—*Aloe numilis*—var. *echinata*  
Left—*Aloe*, *humilis*, var. *brevifolia*

<i>A. cameronii</i> . A very fine shiny leaved <i>Aloe</i> with beautiful blossoms	15c to 50c
* <i>A. ciliaris</i> . The climbing <i>Aloe</i> with exquisite green and red Xmas-candle-like blooms	15c to 25c
* <i>A. commutata</i> . Large and beautifully marked	25c
<i>A. davyania</i> . Spotted—from S. Africa. Yellow red flowers	25c
<i>A. distans</i> . Cape. Long, procumbent with exquisite corymb of flowers	25c and 50c
* <i>A. eru</i> . Tropical Afr. Unique in form and blooms. Flowers dainty, clustered; suitable for bouquets	15c and 25c
<i>A. ferox</i> . Cape. One of the best. Seldom has offshoots	50c
<i>A. globuligemma</i> . Sulphur yellow flower tinged with red	50c
* <i>A. grandidentata</i> . Cape. Beautifully striped. Young plants look like <i>Gasterias</i> and are suited to bowls	10c to 25c
* <i>A. humilis</i> . Cape. Makes lovely clumps. Many teeth, grey-green	15c
*var. <i>brevifolia</i> . Small enough to put into bowls or small rockeries. Blue-green. Makes big clusters in the open	10c
var. <i>echinata</i> . Smallest of all. Looks more like a <i>Haworthia</i> than an <i>Aloe</i> . Blue-green in color, heavily warted, slow to increase. Good bloomer	50c
var. <i>incurvata</i> . One of the smaller types. Not common	35c
<i>A. longistyla</i> . Sky blue. Heavily toothed; charming red blossoms	25c and 50c
<i>A. mitriformis</i> . Cape. Lovely; warted. Each leaf has a central line of protuberances distinguishing it from <i>A. nobilis</i> . Blossoms like a dainty parasol	25c to 50c
* <i>A. nobilis</i> . Cape. Similar to foregoing but much more prolific and a lighter green	15c to 35c
<i>A. pretensis</i> . Seedlings, one of the best medium size bluish, heavily warted, orange flowers	15c
<i>A. robusta</i> . Blue green; heavily marginate teeth; lemon and orange blossoms	25c to 50c
<i>A. salm-dyckiana</i> . S. Afr. Large, with bold, big spikes of orange red	25c to \$1.00
<i>A. saponaria variegata</i> . Variegated with yellow stripes	15c to 25c
* <i>A. spinosissima</i> . Beautiful bluish green, long toothed, giving it a feathery look. Contrasting vivid scarlet blooms	25c to 50c
* <i>A. striata</i> . Cape	25c to \$1.00
var. <i>rhodocinta</i> ( <i>bandburyiana</i> ). Large with purple shadings. Many offshoots	15c to 25c

<i>A. striatula.</i> Cape. Resembling <i>A. ciliaris</i> in form. Yellow blooms	25c
<i>A. thornicroftii.</i> Rose colored flowers, transvaal	50c
* <i>A. thraski.</i> A drooping, different, large growing Aloe	\$1.00
* <i>A. variegata.</i> Cape of Good Hope. The most popular and unique. Noted for its variety of common names; Parrot, Whip-poor-will, Pheasant's Breast, Tiger Cactus, etc. Everyone should have one. A most beautiful pot plant	25c to \$1.00
* <i>A. vera.</i> Lovely pastel grey green with satiny smooth- ness. Pure yellow blooms. An aristocrat	15c to 25c
<i>A. zebrina. (baumi).</i> Tropical Africa. 3 to 4 ft.	35c

<i>Altamiranoa elongata.</i> Curious Mexican plant looking like elongated clover heads	25c
<i>Anacampseros telephastrum.</i> S. Afr. Small, succulent plant with thick leaves and lilacfls	15c to 25c
<i>A. tomentosa</i>	15c to 25c

## BROMELIADS

*Billbergiae* bear blossoms of unique beauty wth startling  
combinations of color.

<i>Billbergia nobilis.</i> Large leaves covered with grey bloom. Large flower	50c
<i>B. nutans.</i> Brazil. Blossoms vivid green with purple margins rising from a pink sheath	25c
<i>B. nutans x pallida.</i> Lovely leaves of shining brown with gold dots	50c
<i>Dyckias</i> are small pineapple like plants with tall racemes of deep yellow to orange plush flowers.	
<i>Dyckia rariflora</i>	15c to 25c
<i>D. sulphurea</i>	15c to 25c
<i>Guzmania lingulata</i> var. <i>cardinalis</i> . Like a pineapple plant with brownish, green leaves turning a vivid red when ready to bloom. It bears a cluster of orchid, waxen blossoms on a thick, red stalk. Grows in the open to be 3 ft. across. "The Heart of Flame"	25c to 50c

## COTYLEDON



Left—*Cotyledon* hybrid

Right—*Cotyledon orbiculata*. var. *macrantha*

<i>C. barbeyi.</i> Powdery gray with red margins	25c
<i>C. decussata.</i> var. <i>gilpini</i> . Red margins and fine shape. With occasional mitten shaped leaves	25c
<i>C. mucronata.</i> Also known as <i>undulata</i> and <i>coronata</i> . Africa. The loveliest of all. Thick, opalescent, downy leaves with deeply crenulated edges	50c

<i>C. orbiculata</i> . S. Afr. Similar to <i>barbeyi</i> but coarse and big beside it bearing, like all of the Cotyledons, a drooping cluster of lovely blooms	15c to 25c
var. <i>macrantha</i> . Green with red edges. Wonderful red blooms at Xmas time. A true Xmas plant	25c
var. <i>oophylla</i> . One of the most interesting, with small egg shaped leaves. Page 78 Succulent Book	35c
<i>C. teretifolia</i> . Green downy leaves nearly cylindrical. Bright red flowers	25c

## CRASSULA

Choice of any ten of the following marked by an asterisk (\*) \$1.00 postpaid.



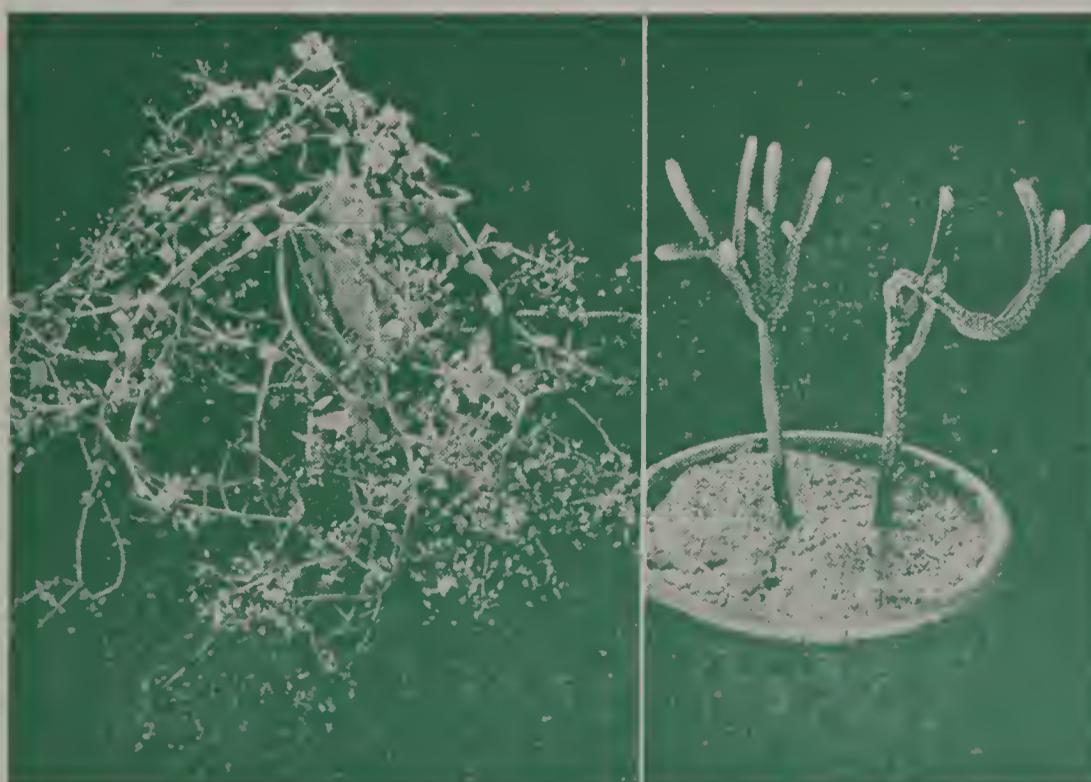
Left—*Aeonium arboreum*. var. *atropurpureum cristatum*  
Right—*Crassula elata*

* <i>C. arborescens</i> . Cape. Requires shade. Dull grey with purple margins. Slow propagator. Matte finish	25c
<i>C. columnaris</i> . Tight unique rosette	75c
<i>C. congesta</i> . Short fleshy grey-green leaves	50c
<i>C. cooperi</i> . Dainty, small with delicate pink blooms	15c
* <i>C. cordata</i> . Small leaves; a vine well suited to hanging baskets; fairy-like pink blooms	10c
* <i>C. corymbulosa (collinberi)</i> . Leaves pointed, thick; in rosettes that turn beautifully red in the sun and bear a spike of pretty pink posies	15c to 25c
* <i>C. elata</i> . A good plant for hanging baskets and to plant in rocks. Pyramidal growth, but drooping. Fragrant flowers	15c
<i>C. erecta</i> . Similar to but downier than <i>justicorderoyi</i>	50c
* <i>C. falcata</i> . One of the best. Blue grey matte surface; unique in shape. Brilliant orange-scarlet clusters of flowers	25c up
<i>C. hemispherica</i> . Flat inlaid rosette; very attractive	25c
<i>C. longifolia</i> . Blossom almost identical to that of <i>C. falcata</i> but plant grows to be 4 ft. tall	35c to 50c
* <i>C. lycopodioides</i> . Common. Kept boxed and trimmed makes a fine border	10c
<i>C. justicorderoyi</i> . Pink flowers, heavy glaucous leaves	35c
* <i>C. monticola</i> . Similar to <i>perforata</i> . Pink blossoms	15c
* <i>C. multicava</i> . Good for hanging baskets but too prolific for a garden	10c
* <i>C. obvallata</i> . Rosette of basal leaves, elongated stalk of flowers	25c
* <i>C. perforata (perfossa)</i> . Buttons on a string or Chinese money. Desirable for bowls. Unique	10c to 25c

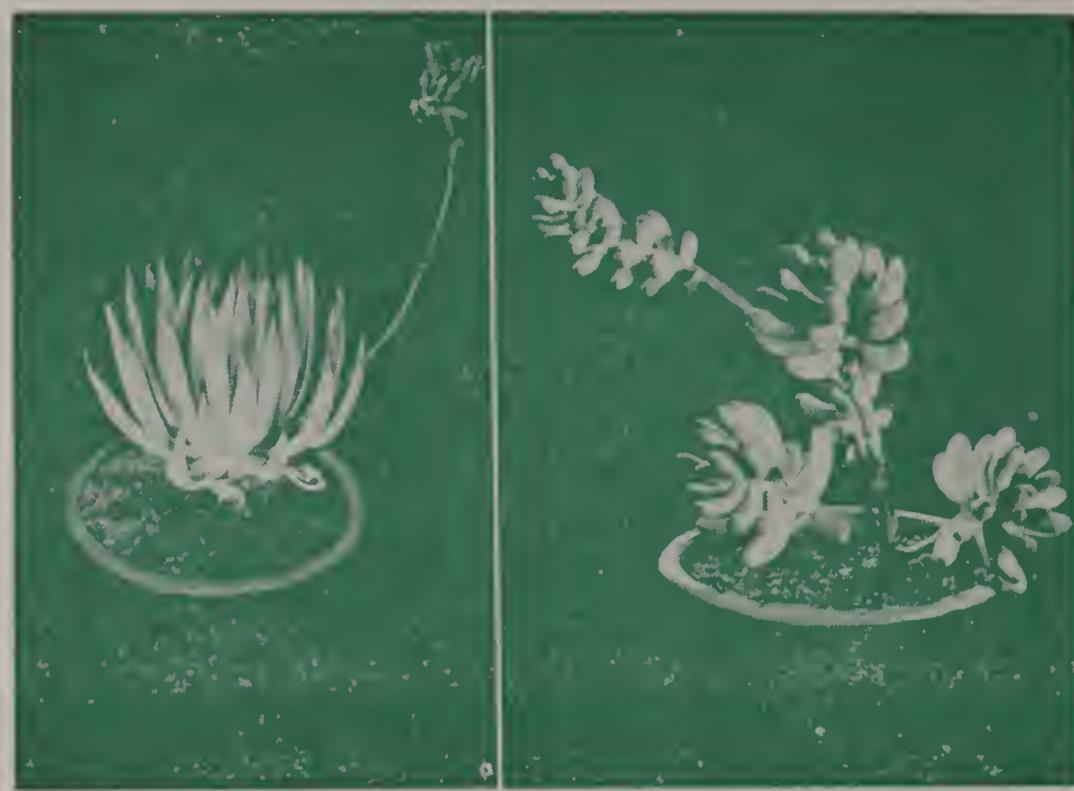


Left—*Crassula perforata*  
Right—*Crassula schmidti*

* <i>C. pseudolycopodioides</i> . Dark green. Suitable for bowls because of graceful angles	10c
<i>C. pulvinata</i> . Powdery gray leaves. A fine figure of a plant	35c
<i>C. pyramidalis</i> . One of the most unusual, tightly imbricated	75c
<i>C. rosularis</i> . Flat rosette. Similar in design to <i>Aeonium tabulaeforme</i> , but with shiny leaves	35c
<i>C. Rupestris</i> ( <i>C. mouticola</i> ). Pink flowered	15c
* <i>C. sarmentosa</i> . Shiny green leaves. Pendant. Good for hanging baskets	15c
<i>C. schmidti</i> . ( <i>impressa</i> , <i>rubicunda</i> ). Blooms all summer; a dainty, little thing for rockeries. Clusters of tiny, deeply rose colored flowers. Charming	15c to 25c
* <i>C. spathulata</i> . Partly creeping with delicate flowers; suitable for hanging baskets	15c
<i>C. tecta</i> . Short thick leaves, densely covered with down	75c
* <i>C. tetragona</i> . Cuttings in bowls resemble trees. Easily rooted. Brittle	10c
Allied plant: <i>Rochea coccinea</i> . Lovely red blooms	25c
* <i>C. portulaceae</i> . Commonly called <i>aborescens</i> . Suitable for narrow parkings. Shining thick bronzed leaves. Pink blooms	15c to 50c



Left—*Crassula cordata*  
Right—*Crassula pseudolycopodioides*

Left—*Dudleya candida*Right—*Sedum treleasi*

## DUDLEYA

### Close Relatives of ECHEVERIA and COTYLEDON

<i>D. brittoni</i> . The lovely, pure, white, powdery Dudleya from Lower California	25c to 75c
<i>D. caespitosa</i> . Native of California. Grey leaves with purple tips	25c
<i>D. candida</i> . Rare, from Coronado Islands. Pure white. Beautiful	50c to 75c
<i>D. farinosa</i> . Grey; red brown tips. Powdery. An exquisite pot plant from Carmel, Calif.	15c to 25c
<i>D. lanceolata</i> . Native of S. Calif. Attractive, iridescent leaves and red flowers	25c
Allied plants: <i>Stylphyllum edule</i> . San Diego, Calif. Unusual looking pencil like leaves	15c
<i>Stylphyllum orcutti</i> . Smaller than the above with greyish, powdery leaves. Attractive	25c

## ECHEVERIA

One of each of any 8 marked with asterisk (\*) \$1.00 postpaid U. S. A. Large ones if you pay the postage.

<i>E. crenulata</i> . ( <i>rosea-grandis</i> ). One of the largest and most beautiful. Curving leaves with bright red margins	35c to \$1.00
<i>E. crassa</i> . Similar to <i>E. crenulata</i> but grows larger	20c to \$1.00
<i>E. derenbergii</i> . Pale green, thick leaves with orange colored fls. Very attractive, small	25c
<i>E. elegans</i> . Pale bluish green, translucent as if made of wax with pink waxen blossoms	15c to 35c
<i>E. funckii</i> . ( <i>australis</i> ). Flat; grey-green matte finish rosettes	15c
<i>E. gibbiflora</i> .	
var. <i>flammea</i> . Highly colored with lovely blooms lasting 4 months	15c to 50c
var. <i>true metallica</i> . Similar to preceding but more opalescent in color	50c
<i>E. glauca</i> . Formerly wrongly known as <i>simulans</i> . In form like a water lily. Yellow green leaves with red tips. Lovely	15c to 25c
<i>E. harmsii</i> . ( <i>Othonianthus elegans</i> ). Flowers lovely, gold lined, scarlet bells	15c to 25c

Left—*Echeveria nodulosa*Right—*Echeveria hoveyi*

<i>E. harmsi</i> hybrid. Free bloomer, downy leaves	25c
<i>E. hoveyi</i> . One of the most lovely with long, grey, green leaves and pinkish variegations, Shade loving	15c to 50c
<i>E. imbricata</i> . (so called). Enormous in size, beautifully colored iridescent hues. Very waxy leaves	35c to 75c
<i>E. leucotricha</i> . A distinct Echeveria with a remarkable pubescence. Scarlet blossoms. Scarce because slow to propagate	30c to 50c
* <i>E. linguaefolia</i> . Thick, fleshy, pale leaves. Flowers cream colored. Individual	15c
<i>E. liriodifolia</i> . Small growing, purple red leaves	50c
<i>E. macrophylla</i> . The largest of the Echeverias and very beautifully colored. Grows to 2 ft.	50c
* <i>E. multicaulis</i> . A charming little Echeveria. Shining leaves that turn red in the fall	15c to 25c
<i>E. nivalis</i> . Gray blue with rosy tips	35c
<i>E. nodulosa</i> . A shrubby plant. Leaves striped with purple. Unlike any of the others	25c
<i>E. orpeti</i> . Very handsome red hybrid	35c

Left—*Echeveria pubescens*, var. *recurvata*Right—*Echeveria setosa*

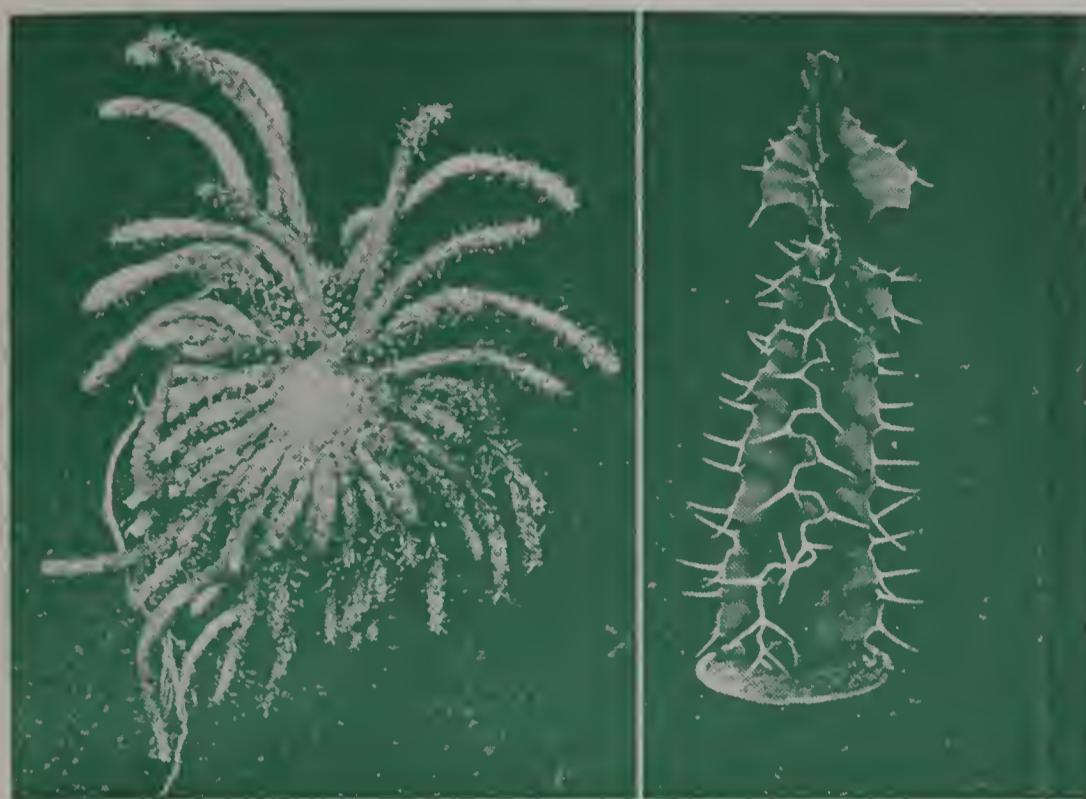
Left—*Echeveria pulvinata*Right—*Echeveria seaphophylla*

<i>E. palmeri.</i> Like a piece of sculpture. Blue, full flowering	15c to 50c
<i>E. peacocki (desmetiana).</i> Grey blue, powdery; like a piece of carving. Red tipped, beautiful	25c
<i>E. pittieri.</i> Similar to <i>venezuelensis</i>	25c
<i>E. pubescens (pringlei, mexicana).</i> Downy; lovely scarlet blooms	15c
var. <i>recurvata.</i> ( <i>pringlei</i> var. <i>tortuosa.</i> ) Attractive curling leaves	25c
<i>E. pulvinata (villosa).</i> Very similar to <i>leucotricha</i> but having red bordered leaves	35c to 50c
<i>E. pulvinata x coccinea.</i> Not so highly colored as the above with longer flower racemes	25c
<i>E. rnbella.</i> Green with iridescent shades; beautiful fls.	50c
<i>E. scaphophylla.</i> Heavy, thick, green leaves. Not very common	25c
* <i>E. secunda-glanca.</i> The common hen and chickens. The true <i>imbricata</i>	10c
<i>E. setosa.</i> Dense globular rosette. Green leaves and orange flowers both entirely covered with bristles. A perfect pot plant	15c to 50c
<i>E. stanleyi (true).</i> Cuspidate red-edged glossy leaves. An outstanding plant	35c to 50c
* <i>E. stolonifera.</i> Spreading light green	10c
<i>E. sub-rigida.</i> Dense mat, bluish green tinged with purple or bright red. Exceedingly fine	15c to 35c
<i>E. weingarti.</i> Deep green, shining, handsome, small var.	25c
<i>E. gigantea x E. weinbergi</i>	25c
* <i>E. elegans x weinbergi</i>	10c
<i>Echeveria</i> species recently discovered in the mountains near Cerocalun, Chihuahua. Beautiful opaque red-tipped leaves which come to a distinct spine-like point	\$1.00

## EUPHORBIA

*Euphorbias* are to the African what the Cacti are to the American Desert.

<i>E. abyssinica</i>	\$3.00 up
<i>E. alcicornis.</i> Flat deeply cut green stems. Grows very, very tall	35c to \$1.00
<i>E. antiquorum</i>	50c up
<i>E. antisyrphilitica.</i> Native of Texas. Low reeds with pink flowers	25c to 35c
<i>E. bubalina.</i> 8 to 12 ins.	50c to \$1.00
<i>E. canariensis.</i> Canary Islands. Four angled; bronze green	25c to \$1.00

Left—*Euphorbia caput-medusae minor*Right—*Euphorbia grandicornis*

<i>E. caput-medusae major.</i> Similar to the following but much larger. Beautiful heads of flowers	25c to \$1.00
<i>E. caput-medusae minor.</i> One of the most interesting pot plants. Many snaky stems from a round central head	25c to \$1.00
var. <i>commelinii</i> . Cape region	50c to \$1.00
var. <i>muirii</i>	25c to 50c
var. <i>procumbens</i>	50c to 75c
<i>E. caput medusa</i> . var. <i>pugniformis</i>	35c
* <i>E. cereiformis</i> . Cape region. Many ribbed	15c to 50c
<i>E. clava</i> . South Africa. Branching main stem covered with hexagonal tubercles and bearing a rosette of leaves at top	35c to 75c
<i>E. coeruleascens</i> . S. Africa. 4 to 6-angled bordered with tooth-like spines. Two to three inches thick	50c to \$3.00
<i>E. echinus</i>	25c to \$1.00
<i>E. enopla</i> . Similar to <i>heptagona</i> but has more spines. Branching. Grows to 1 ft. high. Africa	25c to 50c
<i>E. fasciulata</i> . Grafted	\$1.00
<i>E. frickiana</i> . One of the smallest <i>Euphorbias</i> . A unique little plant	75c up
<i>E. globosa</i> . Peculiar pendant growth	25c up
<i>E. grandicornis</i> . S. Africa. Probably the most striking of all the growing <i>Euphorbiae</i> . Looks more like a Cactus than many of the Cacti	35c to \$5.00
* <i>E. grandidens</i> . S. Africa. Slender, with many marginal spines on a deeply dentate margin. Makes a shrub of great interest	25c to \$5.00
* <i>E. heptagona</i> . Cape of Good Hope. Very pretty, branched, pot plant. Single stems	35c
<i>E. hermentiana</i> . Used by natives of W. Africa as totem poles, for building hedges and poisoning arrows. Marbled, angled, branched	\$1.00 up
<i>E. horrida</i> . Grafted	\$1.00 up
<i>E. ingens</i> .	\$1.00 up
<i>E. ingens mons.</i>	50c to \$1.00
<i>E. lactea</i> . East Indies. Three angles with marbled, white markings	25c up
<i>E. ledienii</i>	— 35c
<i>E. lignosa</i> . White, glaucous, typically desert small shrub	50c to \$1.00
<i>E. lytttonii</i> . Slender hybrid of <i>E. psuedocactus</i> , more suited for pot culture	50c
* <i>E. mammillaris</i> . Cape region. Called the "Corn Cob," which it resembles	15c to 25c

Left—*Euphorbia splendens*Right—*Euphorbia echinus*

<i>E. meloformis</i> . Cape region. Dark green, globular with depressed centers. One of the three globular forms.	50c to \$1.00
<i>E. nerifolia</i> . India. Shrubby. Grows to 6 or 7 ft., 8 to 10 in. in diam. Heavily horned stem with large leaves	50c up
<i>E. obesa</i> . S. Afr. Globular, marked like a piece of gingham and very fascinating. 1 in. to 1 $\frac{3}{4}$ in.	75c to \$1.25
<i>E. officinarium</i> . Similar to <i>echinus</i>	50c
<i>E. ornithopodus</i> . The bird foot. Cylindrical straggling joints	30c
<i>E. pentlandi</i> . Handsome blue green red spines	50c to \$1.00
<i>E. pfestdorffi</i> . Africa. Attractive miniature plant with red spines and many heads	25c to 75c
<i>E. pseudocactus</i> . Profusely marbled with white sharply angled ribs	25c up
<i>E. resinifera</i> . S. W. Morocco. 4-angled, many branches, yielded the Euphorbia Gum of the Ancients	25s to \$2.00
<i>E. schimperi</i>	15c to 25c
<i>E. similis (natalensis)</i> . Natal. Looks like a large <i>Cereus</i> .	\$1.00 to \$10.00
* <i>E. splendens</i> . Madagascar. "Crown of Thorns." A lovely pot plant with red flowers almost continual. Can be twisted and trained into many forms	25c to \$2.50
<i>E. susannae</i> . Branched plant	\$1.00
<i>E. tetragona</i> . Rooted cuts	50c
* <i>E. tirucauli</i> . S. Asia	15c
<i>E. trigonus</i>	35c
<i>E. uncinata</i> . Africa. 2 to 4 angled; very green	50c
<i>E. veninata</i> . Rooted cuts. Pale-blue, white margins	50c
* <i>E. xylophyllodes</i> . Madagascar. Interesting, fine. Flat, thick, $\frac{1}{2}$ -in. wide, leaf-like branches	35c

## GASTERALOE

*Gasteraloës* are hybrids of *Gasterias* and *Aloës* usually marked like the *Gasterias* and formed in rosettes like most of the *Aloës*.

<i>G. begumi</i> . Dark green, heavily warty. Looks like a <i>Haworthia</i> but larger and very good	15c to \$1.00
<i>G. mortolensis</i> . Smooth, mottled, light green, heavy leaves	25c up
<i>G. perfectior</i> . Dark green fluent white spots. Good looking	25c and 35c
<i>G. pethamensis</i> . A dark, beautifully mottled plant	15c to \$1.00



Left—*Gasteria maculata*  
Right—*Gasteria verrucosa*

## GASTERIA

*Gasterias* are charming, generally two ranked plants. The leaves are commonly green mottled with white. Africa. They are 25c to 50c

<i>G. acinacifolia</i>		
<i>G. carinata</i>		
<i>G. dicta</i> . Very cespitose		
<i>G. latifolia</i>		
<i>G. maculata</i> . Beautifully mottled glaucous variety becoming pink in the sun		
<i>G. nitens</i> . Similar to <i>maculata</i> but leaves longer and thinner		
<i>G. obscura</i>		
<i>G. punctata</i>		
<i>G. spiralis</i> . Grows to a very large size for this genus		
<i>G. stayneri</i>		75c
<i>G. sulcata</i> . A large variety with very smooth leaves and decidedly different from the other <i>Gasterias</i> .		
<i>G. verrucosa</i> . One of the finest. Strictly two ranked. Heavily warty.		

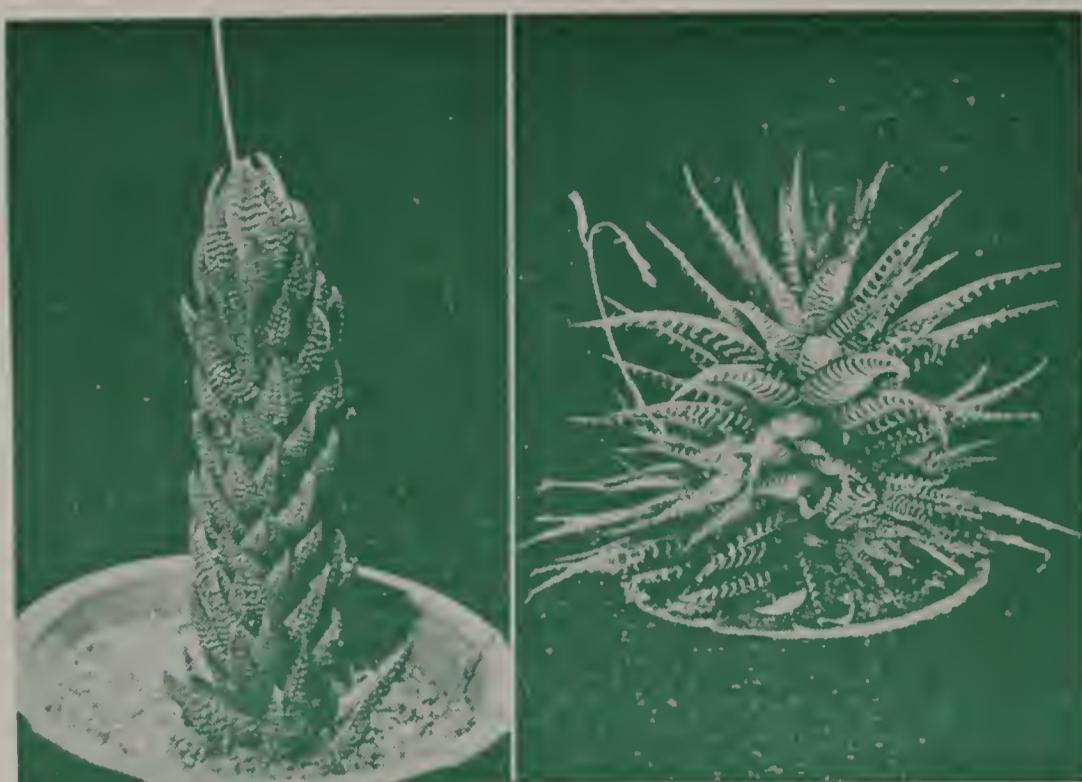
<i>Graptopetalum amethystinum</i> . Mexico. Like most of them in this genus, beautifully colored	75c
<i>G. pachyphyllum</i> . One of the smallest; purplish leaves	50c
<i>G. paraguayense</i> ( <i>echeveria weinbergi</i> ). "Ghost plant." Pinkish-bluish opalescent. Very beautiful and easily propagated, hence cheap	10c to 25c
<i>Grenovia dodrentalis</i> ( <i>gracile</i> ). Charming plant like a perfect little rose	25c

## HAWORTHIA

One of each of any 5 marked with asterisks (\*) postpaid, \$1.00.

*Haworthias* are all small, clustered plants, the leaves usually green and windowed or covered with small white dots and suitable for pots. Africa. Do very well in the house.

* <i>H. attenuata</i> . Very warty, tightly cupped leaves. Grows in full sun in Africa on rocky ground	35c
var. <i>clariperla</i> . Very beautiful; dark green heavily warty	35c
<i>H. atrovirens</i> . One of the smallest <i>H.</i> Dark green, compact	15c

Left—*Haworthia reinwardtii*Right—*Haworthia fasciata*

*H. briteniana* ..... \$1.00

\**H. chalwini*. Similar to *reinwardtii* in growth. Darker green and much rarer ..... 25c to \$1.00

\**H. coarctata*. Slender and faintly warty; red in sun. Dark green in shade ..... 25c

\**H. cymbiformis*. Window Plant. Very light green; translucent and caespitose ..... 10c to 25c

*H. cuspisata*. Similar to the above but grows larger and more tightly cupped ..... 35c

*H. fasciata* var. *caespitosa*. Very striking with warts in distinct bands. One of the best ..... 50c to \$1.00

*H. glabrata concolor*. A very fine, dignified, upstanding *Haworthia* ..... 35c

*H. haageana* var. *subreticulata* ..... \$1.00

*H. kingiana* ..... \$1.00

*H. laetevirens*. Translucent, pointed leaves ..... 25c

*H. margaritifera*. Very good. Leathery; heavily warty; dark ..... 15c to 50c

var. *granata*. Much heavier pearls and rarer plant. Grows on coast in Africa in full sun. Tandsome \$1.00

*H. metallica*. One of the rare ones. Darkly iridescent with fine dots ..... 50c to \$1.00

*H. minima*. Very small; dark green compact ..... 25c

*H. mortica* ..... \$1.00

*H. pellucens* ..... \$1.00

*H. pilifera*. One of the real window *Haworthias* ..... 35c

*H. planifolia* ..... \$1.00

*H. planifolia* ..... \$1.00

\**H. radula*. Crowded with tiny tubercles on both sides of leaves ..... 20c to 35c

*H. reticulata*. A large interesting translucent type. Off-sets ..... 35c

*H. retusa*. "The Fairy's Table." Translucent window plant ..... \$1.00

*H. reinwardtii*. A beautiful, verrucose, little plant 35c to 50c

*H. rigida*. Concave, rather wrinkled leaves. Very erect 35c

*H. rugosa*. Slender, finely warty ..... 35c

*H. schmidtiana*. Dark, leathery, unusual ..... 50c to \$1.00

*H. semiglabrata*. One of the best ..... \$1.00

*H. skinneri* ..... 50c

*H. subulata* ..... \$1.00

\**H. tessellata*. Thick, nicely lined leaves. Beautiful shape, dark and glabrous ..... 25c

var. *engleri*. The varieties differ very slightly ..... 50c

var. *recurrens* ..... 50c

<i>H. tortuosa pseudo rigida</i> . Warty, erect, green	15c to 50c
<i>H. turgida</i> . A very smooth flat rosette window plant	50c
Allied plant: <i>Apicra pentagona</i> . Smooth, light green, very rigid leaves	25c
<i>Hesperaloe rubriflora</i> . Texas. Large rosette with hairy leaves. Red flowers on a long stalk. Blooms all summer. Good	50c
<i>Jatropha berlandieri</i> . Texas. Distinctive plant with an above ground tuber; deeply cut leaves and scarlet flowers. Deciduous in winter	50c to \$1.00

## KALANCHOE AND BRYOPHYLLUM

Only a slight difference between the two in the juxtaposition of the filaments and the corolla tubes.

One of each of any 8 marked with an asterisk (\*) \$1.00 postpaid.



Left—*Kalanchoe thyrsiflora*

Right—*Kalanchoe marmorata*

<i>B. aliciae</i> . Downy leaves with lovely red blossoms	15c to 25c
<i>K. aromatica</i> . Not particularly attractive, but the gland-tipped hairs exude an aromatic secretion	15c
<i>K. beharensis</i> . Long erroneously known as <i>kitchingia mandrakensis</i> . Handsome striking plants covered with bristles.	
<i>K. species</i> . Similar, but browned and more crenulate	15c to 25c
<i>B. crenatum</i> . Slender, brownish rose flowers	25c
<i>B. daigremontana</i> . Madagascar. A curious plant with deeply serrated, mottled leaves; flowers interesting	15c
<i>B. tubiflora x daigremontana</i> . Dr. Houghton's hybrid. Very good	25c
<i>K. dyerii</i> . Beautiful crimson fls.	25c to 35c
* <i>K. fedtshenkoi</i> . Violet tinted leaves, very charming flowers, delicate salmon. A very lovely thing. Keep in the sun	15c to 25c
<i>K. flammula</i> . Tropical Afr. Downy, green leaves; red fls	50c
<i>K. gastonis bonnieri</i> . Stout large leaved, glabrous	25c
<i>K. longiflora</i> (formerly wrongly called <i>somaliensis</i> ). Heavy dentate leaves shaded with rose. A nice plant with pure yellow fls	15c to 25c
* <i>K. marmorata</i> . Abyssinia. Curious, large with large purple spots in great profusion	15c to 25c
<i>B. miniatum</i> . Grey green leaves, flowers bright pink	25c
<i>K. orgyalis</i> . Soft, brown, pubescent leaves; yellow upright fls.	50c to \$1.00



### Group of Haworthias

<i>B. pinnatum (calycinum)</i> . Tropical Afr. The common sprouting leaf. Prolific with long tubular flowers	15c
<i>K. rotundifolia</i> . 3 ft. high with leaves 2 in. long and orange or yellow fls.	10c
<i>B. scandens</i> . Dark purplish-green leaves, climber with maltese colored flowers	25c
<i>K. sexangularis</i> . Smooth clear green, glossy texture	15c to 25c
<i>K. synsepala</i> . Leaves light green margined with red, flowers white and lavender	25c
<i>K. thyrsiflora</i> . Looks like a Echeveria. Large gray red tipped leaves covered with powder. Blossoms creamy in large stalk. Handsome	25c to 50c
<i>K. tomentosa</i> . One of the best. Very downy. Brown spots on edges of leaves. Small	25c to 50c
<i>B. tubiflora</i> . Very prolific, hence cheap but very queer and with lovely blooms. A bed of them is a fine sight. "Hollywood Palm"	10c to 25c
<i>K. velutina</i> . Stem purplish red covered with white down. Flowers yellow-scarlet	25c
<i>K. waldheimi</i> . Similar to <i>Fedtschenkoi</i> , but remains in flower longer	25c
<i>K. welwitschi</i> . Beautiful, plum colored leaves. Burnt orange, upright fls.	35c
<i>Kitchingia peltata</i> . Leaves light green with reddish margins, flowers deep rose	25c

### KLEINIA

* <i>K. articulata</i> . S. Afr. A blue candle plant with pretty leaves sprouting from the top	15c
<i>K. fulgens</i> . Natal. Bright red fls. on a gray-blue plant	25c to 50c
* <i>K. mandraliscae</i> . S. Afr. Larger than <i>repens</i> but otherwise similar. Very blue leaves	15c
<i>K. (notonia) pendula</i> . A closely allied plant with red flowers and thick, dark, green stem striped with purple. The "Inch Worm"	35c
<i>K. radicans</i> . S. Afr. Creeping, with thick, short leaves. Striped with purple; fragrant flowers; good for hanging baskets	15c
<i>K. repens</i> . S. Afr. The smallest of the blue, tubular leaved <i>Kleinias</i>	15c
<i>K. stoebelioformis</i> . S. Afr. One of the best <i>Kleinias</i> . Clear emerald green stems marbled with white. Flower a tuft of bright red on a long stem. Beautiful	25c
<i>K. tomentosa</i> . S. Afr. Rare, pure white	35c to 50c

Left—*Aptenia cordifolia*Right—*Pleiospilos bolusii*

### MESEMBRIANTHEMAE

The following, unless otherwise marked, are 2 for 25c.

*Aptenia cordifolia*. Old fashioned variety. From Africa.

Small, thick, green leaves; tiny magenta fls. Used for many years in hanging baskets.

*Capobrotus edule*. Yellow flowers. Large, coarse plants for cliffs or ground cover.

*C. aequilaterale*. Coarse large plant with lilac pink flowers.

*Cephalophyllum alstonii*. Dense tufts of erect, grey, finger-like leaves. Cherry red flowers; one of the most beautiful of Mesem. flowers 15c to 35c

*C. anemoniflorum*. Creeping with one of the finest fls. of apricot with white center.

*C. spongiosum*. Four in. rose pink fl. with a 2 in. golden center 35c to \$1.00

*Corpuscularia lehmanni*. Velvety green plants, beautiful cream colored fls.

*Delosperma aberdeense*. Low growing, free flowering. White to pink lavender flowers.

*D. echinata*. Warted, translucent, crystalline foliage.

*Drosanthemum speciosum*. One of the most beautiful of shrubby types. Burnt orange flower with black center.

*D. species*. A mound of green dotted with yellow fls.

*Hymenocallis herrei*. Fast growing; old gold fls.; heavy bloomer.

*H. purpureo-croceus*. The most constant bloomer and best for holding soil to hillsides. Burnt orange blossoms; reverse side magenta.

*Mesembryanthemum aureum*. One foot tall. Flowers light orange.

*M. aureum (improved)*. Calendula like orange flowers, erect shrubby plant.

*M. blandum*. Two ft. Flowers 2 to 3 in. Pure white, later turning to rose.

*M. brownii*. Small leaved, large, spreading. Flowers, size of a dime; burnt orange turning to rose.

*M. glaucum*. Very erect with lemon colored blooms.

*M. ecklonis*. 1/2 in. white, fragrant fls.; creeping.

*M. maximum*. Large, grey green with lavender blossoms. Rooted cuttings charming in bowls.

*M. muricatum (deltoides cristatum)*. Low form, gray green; lavender blossoms. Perfect in rock gardens.

*M. productum*. S. Afr. A dwarf succulent with crowded leaves and pale, rose fls.

*M. repens*. White petals, yellow center.  
*M. roseum*. Creeping, small pink lavender flowers like wild asters.  
*M. schickii*. Hybrid of *Delosperma echinata* and *Glottiphyllum linguiforme*.  
*M. spectabile*. Small lavender blossoms.  
*M. tenuifolium*. Large, winter blooming, free flowering. Deep vivid purple.  
*M. uncinatum*. Erect, slender leaves; delicate thin rayed lavender blossoms, size of a dime.  
*M. violaceum minor*. Violet flowers,  $\frac{1}{2}$ " dia.  
*Ruschia crassa*. Delicately beautiful, white fls. with curling, narrow rays. Fairylike, fragrant.  
*R. steingroeveri* (*piscatorum*). Snells like fish.

## MESEMBRIANTHEMAE

### Stemless or Non-Shrubby Types

<i>Acrodon bellidiflorus</i> . Beautiful blossoms like a bellis daisy. Hence its name	15c to 25c
<i>Argyroderma schlacteri</i> . Leaves silver-grey; flowers yellow pink to white. Very rare. One of the mimicry plants. Grows in grey-green quartz	35c to 50c
<i>Bergeranthus vespertinus</i> . Low with green, pointed leaves; yellow flowers, orange reverse	15c
<i>Cheirodopsis cherri-bella</i>	35c
<i>C. cigarettifera</i> . Tubular leaves, yellow blossoms	25c
<i>C. caroli-schmidti</i> . Grey thick leaves in pairs. Interesting	25c
<i>Faucaria albideus</i> . Smooth green, white margins	25c
<i>F. felina</i> . Very green.	35c
<i>F. lupina</i> . The wolf. Very long teeth	
<i>F. superba</i> . Greyish with white spots. Beautiful	25c
<i>F. tigrina</i> . Green. Neat rosettes edged with long teeth	15c
<i>F. tuberculosa</i> . Heavily warted. The most beautiful of the <i>Faucarias</i>	50c to 75c
<i>F. Boscheana</i> . White margins, smooth	25c
<i>Fenestraria rhopalophylla</i> . "Babytoes." One of the most interesting of window plants. White blooms with yellow centers	50c
	35c
<i>Gibbaeum heathi</i> . Formerly <i>rimaria heathi</i> . Whitish green with white flowers, most unusual. Single 35c; Cluster	50c
<i>Glottiphyllum depressum</i> . <i>Glottiphyllums</i> are large leaved, thick and juicy with large, yellow flowers	15c
<i>G. linguiforme</i> . Curved, flat leaves very dark green	15c
<i>G. schinzi</i> . Flowers reddish	15c
<i>Herranthus berrei</i> . Peculiar gray green sculpture with fine flowers	50c
<i>Hereroa odorata</i> . Small plants suitable for bowls because of queer shape. Night blooming, sweet scented	15c to 25c
<i>H. stanleyi</i> . Low green plants with scimitar-shaped leaves; yellow flowers	15c
<i>Lithops</i> are the peculiarly formed and beautifully marked little stone faces. Look like anything but a plant. These are all 3 to 5 year old blooming-size plants.	
<i>L. alba</i> . Red-brown, fine markings	50c
<i>L. alpina</i> . Perfect in shape, mauve tints	50c
<i>L. comptonii</i> . Gorgeous	50c
<i>L. fulleri</i> . One of the most beautiful	50c

<i>L. kunjasensis.</i> Yellow brown fernlike markings	50c
<i>L. lesleii.</i> Living stones	25c
<i>L. mickbergensis.</i> Auburn	50c
<i>L. mundtii.</i> Round heads	35c
<i>L. olivacea.</i> Olive green	50c
<i>L. opalina.</i> Opalescent translucent	50c
<i>L. peersonii.</i> Dove-colored, finely pencilled	50c
<i>L. pseudotruncatella.</i> Reddish	50c
<i>Lithops turbiniforme.</i> Beautiful auburn color, one of the best	50c
<i>Pleisilos</i> are queer stone faced plants with thick angular leaves.	
<i>P. bolusi.</i> One of the best of stone faces	15c to 50c
<i>P. magnipunctata.</i> Strange plant; yellow blossoms tipped with orange	25c
<i>P. neli.</i> Tricolor flower shading from white, through yellow to coppery apricot	15c to 50c
<i>P. similans.</i> Flat surfaced, grotesque, bizarre	15c to 50c
<i>Rhombophyllum rhomboideum.</i> Dark green truncated leaves; very flat yellow flowers	15c
<i>Stomatium agnatum.</i> Thick leaved interesting plants. Yellow flowers	15c
<i>S. fulleri.</i> Charming plant, toothed leaves. Fringy yellow blossoms	15c

## OTHER SUCCULENTS

<i>Othonna crassifolia.</i> Creeping, interesting plant with fat, short leaves like elongated beads. Yellow flowers small daisy	15c
<i>O. carnifolia.</i> Similar to above with more ordinary leaves	15c
<i>Pachyphytum brevifolium.</i> Pink hues. Exquisite	25c to 50c
<i>P. compactum.</i> Mexico. Small futuristic rosettes with blue and grey markings. An interesting plant	15c to 25c
<i>P. hookeri.</i> Many pink flowers	50c
<i>P. oviferrum.</i> Beautiful bluish pearl. Thick leaves	35c to 50c
<i>Pachyveria c'avana.</i> Thick pale green plant with lovely flowers	15c to 25c
<i>P. clevelandi</i> ( <i>Echeveria nobilis</i> ). Full sun to bring out its lovely, purplish colors. Medium size and very prolific	15c to 35c
<i>P. glauca.</i> Rosettes of leaves shaped like elongated leaves of <i>Pachyphytum compactum</i>	50c
<i>P. La Rochette.</i> One of the newer iridescent hybrids	35c
<i>P. Mrs. Scannatino.</i> As beautiful as Mother of Pearl	35c
<i>P. schiedeckeri.</i> Very blue	15c to 25c
<i>Pedilanthus bracteatus.</i> Lost to civilization for 130 years, tall growing cylindrical, ready Sept. 1, 1940	\$1.00
<i>P. macrocarpus.</i> Grey green. Lower Calif. Conspicuous red fruits	50c
<i>P. tithymaloides.</i> Thin green stems, red flowers	25c
<i>P. grandiflorus.</i> Variegated handsome house plant	50c
<i>Portulacaria afra.</i> Food for elephants in Africa. A beautiful shrub with thick, small, shining leaves on a dark red stem	15c up

## SANSEVERIA

<i>S. aethiopica.</i> Wide green leaves with red edges. Very beautiful	50c to \$1.00
<i>S. cylindrica.</i> An unusual plant with mottled, tubular pointed, stiff leaves in two ranks up to 2 ft. in length. Small plants	25c



Left—*Sansevieria laurentii*  
Right—*Sansevieria aethiopica*

<i>S. guineensis</i> . Striped leaves	25c
<i>S. laurentii</i> . A yellow margined variety of <i>trifasciata</i>	25c to 50c
<i>S. para</i>	25c
<i>S. schmidti</i> . Very pale delicate form, difficult to grow	\$1.00
<i>S. spicata</i> . Rosette form	25c
<i>S. trifasciata</i> ( <i>zeylanica</i> ). The Leopard Plant. Suitable for pots. Long, thick, mottled leaves	15c up

## SEDUM

The price of these plants is 10c unless otherwise stated.  
Ten for \$1.00 postpaid.

"H" means hardy to frost.

<i>S. adolphi</i> . Golden yellow, conspicuous.	
<i>S. album</i> . Green, creeping. H.	
<i>S. allantoides</i> . Pale blue, round leaves	15c
<i>S. altissimum</i> . Blue, 8-in.	
<i>S. amecamecanum</i> . Dark green leaves, pale yellow flowers. Mex.	15c



Left—*Sedum pectinatum cristatum*  
Right—*Sedum pachyphyllum*

*S. compressum* (Palmeri). Tall. *Echeveria* like rosette. 15c

*S. confusum*.

*S. dasypphyllum*. Blue green clumps, tiny leaves.

*S. griseum*. Grey, green fine leaves from Oaxaca, Mex. 15c

*S. gnatamalense*. Green turning to red in sun. Very attractive.

*S. lineare variegatum*. H.

*S. lydium*. Small vivid green. H.

*S. mexicanum*. Yellow green.

*S. moranense*. Tiny, thick, reddish leaves.

*S. morganianum*. The monkey tail sedum, blue, grows very long. Mex. 50c

*S. multiceps*. Like a little pine tree. Perfect in bowls 15c to 25c

*S. muriale*. Turning red like half ripe blackberries in fall.

*S. Pachyphyllum*. Pale hands, pink tipped.

*S. potosini (anglicum)*. Mexico.

*S. pectatum*.

*S. pectatum cristatum*.

*S. spectabile* var. *brilliancy*. H.

*S. stahli*. Called baked beans from the resemblance of the leaves.

*S. treleasei*. Beautiful blue.

*S. winkleri*. From Spain. Perfect rosettes in clusters.

## SEMPERVIVUM

*Sempervivums* are very interesting small plants suitable to rock work. They are native of the mountains of Europe and very hardy to cold. In California they prefer shade.

Single rosettes unless otherwise stated 10c

*S. arachnoideum*. Cobweb or spiderweb house leek. Very small rosette entirely overlaid with small, white hairs. Flowers bright red.  
var. *laggeri*. Similar, but rosettes much larger. Flowers bright rose.

*S. calcaratum*. Large. Purple colored. Iridescent. Very fine 50c

*S. calcareum*. Very greenish with decided red tips.  
A very good one 15c

*S. royanum*. Yellowish green with red tips. A startling variety 35c

*S. silverine*. 6 in. Light green to silvery grey 25c



Left—*Ceropagia stapeliaeformis*

Right—*Stapelia lunata*

## STAPELIAE AND ALLIED AESCLEPIADS

*Caralluma lutea* ..... 10c to 25c

## CEROPEGIA

<i>C. barkleyi</i> . A lovely little vine with pointed, mottled leaves	15c to 25c
<i>C. coffrorum</i> . Larger than <i>C. woodi</i> . Much less common	25c
<i>C. debilis</i> . A weak, trailing affair getting everywhere and going nowhere	25c
<i>C. stapeliaformis</i> . S. Afr.	25c to 50c
<i>C. woodi</i> . The Rosary Vine. Natal	15c to 25c

## ECHIDNOPSIS

<i>E. cereiformis</i> . S. Arabia and adjacent Africa	35c
var. <i>brunnea</i> . Yellow-brown fls.	35c
var. <i>obscura</i> . Red-brown fls.	35c



*Hoya carnosa*

## HOYA

<i>H. carnosa</i> . S. China to Australia. "The Wax Plant." Beautiful pink clusters of blossoms of the texture of plush, like edelweiss, on a dark green, thick leaved vine. Very good house plant	50c to \$2.00
<i>H. carnosa variegata</i> . Variegated pink and yellow	\$1.00

## HUERNIA

*Huernias* are little brothers of the *Stapelias* and very interesting.

<i>H. barbata</i> . This bearded <i>Huernia</i> , fls. yellow, spotted purple beard	25c
<i>H. bistrigia</i> . The porcupine. Yellow bloom with red spots; spinelike, red tipped papillae	25c
<i>H. longituba</i> . Bloom cream colored, flecked with red	25c
<i>H. penzigi</i> . Bloom outside dirty white and red inside	25c
<i>H. scabra</i> var. <i>immaculata</i> . Flowers a pale brown color	25c
<i>H. schneideriana</i> . Deep purple cup	25c
<i>H. thunreti</i> . Short four-angled stems, flowers pale green with brown dots	25c
<i>Piaranthus foetidus</i> . Flowers dull yellow with red markings. Smell to Heaven	15c

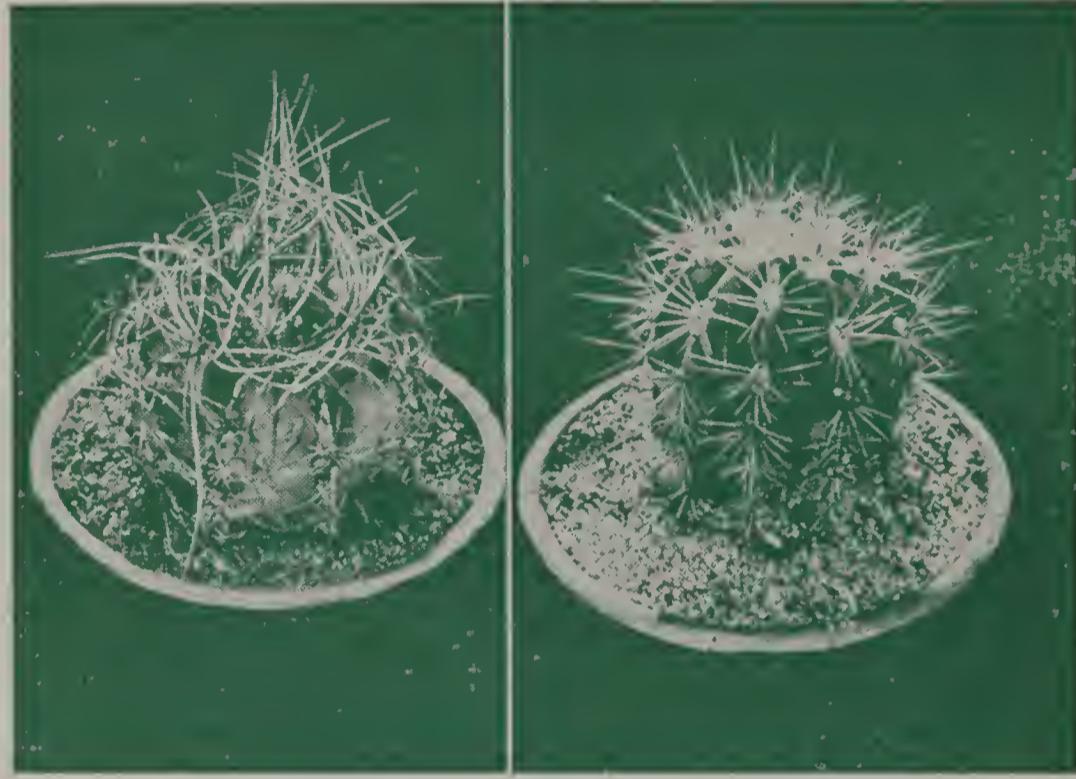
## STAPELIA

Eight varieties, my choice, postpaid, \$1.00.

<i>S. angulata</i> . An attractive <i>Orbea</i> hybrid with red, variegated petals and yellow, variegated center	10c
<i>S. arnotti</i> . Clear red, wine tips, blackish long hairs 25c to 50c	50c
<i>S. bella</i> . Two inch purplish red flowers	35c
<i>S. bicolor</i> . Dark brown with few bright yellow spots. Stems two colored	10c
<i>S. contabrigensis</i> . Hairy stem, flowers 5" to 6" across, brownish red	25c
<i>S. carolli-schmidti</i> . Variegata variety	10c
<i>S. deflexa</i> . Dark red with center corona, self colored hairs	25c
<i>S. desmetiana</i> . Long white haired edges, greenish or reddish ground	15c to 35c
<i>S. gettleffi</i> . Similar to <i>hirsuta</i> but blooms larger	25c
<i>S. gigantea</i> . Dull green, pale purple, hairy, marked with transverse crimson lines. Blossoms 14 in. across	25c to 50c
<i>S. grandiflora</i>	50c
<i>S. hirsuta</i> . Ground red, margin white, petals hairy, white tomentose	10c to 35c
<i>S. incomparabilis</i> . Smooth, dark red, hairless flower. "The Bald Stapelia."	10c
<i>S. lanata (nigricans)</i>	15c
<i>S. leendertzi</i>	50c
<i>S. lucilla</i>	35c
<i>S. maculosoides (mermelis)</i> . Has a very pronounced pattern	10c
<i>S. multiflora</i>	25c
<i>S. nobilis</i> . Large dark red	35c
<i>S. peglerae</i> . Conspicuous for glabrous 4 to 5 in. stems and shiny inner corolla surface of its flowers	25c
<i>S. puchella</i> . The little beauty. Sulphurous yellow with brown spots	25c
<i>S. schinzi</i> . Unusual in shape. Long pointed leaves, dark red	50c
<i>S. variegata</i> . Commonest of all; yellow with small spots	10c
<i>S. verrucosa</i> . Very small yellow blooms with tiny brown dots. Very different from the above	10c to 25c
<i>Tavaresia grandiflora</i> . Blooms 2 - 3 in. long, pale yellow flecked with red. Grafted	50c
<i>Urbinia agavoides</i> . Hard glassy leaves with sharp brown points. Fls. bright orange tipped with yellow	35c to 50c
<i>U. purpusii</i> . Small rosette of dark green leaves marked with small brown spots and brown line down center. Very attractive	35c to 50c

# CACTI

<i>Acanthocereus pentagonus</i> . Fla., Tex., Mex., Venezuela.	
Triangular, procumbent; night bloomer	25c to \$1.00
<i>A. subinermis</i> . 7 inch. Oaxaca, Mexico. Flower 8 in.	
Outer petals reddish, inner white	\$1.00
<i>Ancistrocactus scheeri</i> . Texas. Small tubercled plants.	
Yellow spines, some hooked	35c



Left—*Astrophytum aureum*  
Right—*Trichocereus pasacana*

<i>Aporocactus conzatti</i> . Oaxaca, Mexico. Creeping tails covered with brown bristles. Flowers brick red. Grafted plants	50c to \$1.00
<i>A. flagelliformis</i> . Rat Tail. Long slender, pendant stem covered with short spines and magenta flowers. A good house plant. Grafted	50c to \$1.00
<i>A. flagriformis</i> . Oaxaca, Mexico. Erect at first, then creeping, much branched. Flowers dark crimson. Grafted plants	50c to \$1.00
<i>A. leptophis</i> . Mexico. Strongly ribbed slender tails with bristly spines. Graft	50c to \$1.00
<i>A. martianus</i> hybrid of <i>Helio. speciosum</i> , rooted cut	50c
<i>Arequipa leucotricha</i> . Chile, Peru. Red-brown spines; red, oblique fls.	50c
<i>Ariocarpus fissuratus</i> . Texas. The Living Rock. Looks more like an amphibian than a plant	25c to 35c
<i>A. furfuraceus</i> . 5 in.	\$2.00
<i>A. kotschoubeyanus</i> . Mexico	\$1.00
<i>A. retusus</i> . 3 in.	\$2.00
<i>A. scapharostrus</i> . 2 in.	\$2.00
<i>A. strobiliformis</i> . Mexico	\$1.00
<i>A. trigonus</i> . 3 in.	\$2.00
<i>Astrophytum asterias</i> . Texas, Mexico. "The Sea Urchin." Small, flat, distinctive. Requires strictly limy soil	35c to \$1.00
In cultivation does better on a graft. Grafted plants	\$1.00
<i>A. capricorne</i> . Long, curling spines. Mexico. 3 year seedlings	50c
<i>A. capricorne major</i> . 3 year seedlings	50c; mature plants
\$1.00 up	
<i>A. capricorne minor</i> . Curling stout spines	\$1.00
<i>A. capricorne</i> var. <i>aureum</i> . Center of straw colored spines. 3 year seedlings	50c
<i>A. capricorne</i> var. <i>sendiv</i> . 4 in.	\$2.00 up

<i>A. myriostigma</i> , Mexico. The celebrated "Bishop's Cap."	
Covered with myriads of small tufts of white wool	25c, 50c, \$1.00 and \$2.00
<i>A. myriostigma</i> var. <i>caahnilensis</i> , 3 year seedlings	50c
<i>A. myriostigma</i> var. <i>columnaris</i> , 4 in.	\$2.00
<i>A. myriostigma</i> var. <i>quadricostatus</i> , 4 sided true "Bishops Cap"	\$1.00
<i>A. myriostigma</i> var. <i>tetragana</i> , Four sided true "Bishop's Cap." 3 year seedlings 50c; 4"	\$2.00
<i>A. ornatum</i> , Mexico. Ornate yellow spines; many tufts of wool. Seedlings 35c to 50c. Good sized plants \$1 to \$2	
var. <i>albescens</i> , 2 $\frac{1}{2}$ in.	\$1.00
var. <i>columnaris</i> , 2 $\frac{1}{2}$ to 4 in.	\$1.00 to \$1.50
var. <i>glabrescens</i> , 2 to 5 in.	\$1.00, \$1.25, \$1.50, \$2.00
var. <i>glaucescens</i>	\$1.00
var. <i>mirbelli</i> , 2 to 6 in.	\$1.00, \$1.50, \$2.50
var. <i>spiralis</i> , 2 $\frac{1}{2}$ to 4 in.	\$1.00 to \$1.50
var. <i>tirens</i> , 2 $\frac{1}{2}$ to 4 in.	\$1.00, \$1.50
<i>Aztekium ritteri</i> , Rare	\$2.00



Left—*Cephalocereus alensis* (*lencoccephalus*)  
Right—*Oreacereus fossulatus*

*Bergeracactus emoryi*, In the U. S. native of San Diego Co. and some of the Channel Islands, only. Yellow spined, slender *cereus*, different from any other cactus. Sensitive to cold 25c to \$1.00

*Brittonia darisi*, Tuberled ribbed barrel from Texas with slender, long, yellow, hooked spines 50c up

*Carnegiea gigantea*, The Arizona giant \$1.00 up

## CEPHALOCEREUS

The *Cephalocerei* are usually tall plants with long hairs or wool on them.

*C. alensis* (*lencoccephalus*). The queerest of the queer. Heavy white beard on one side only. The old goat. Comes from Alamos, Mexico.  
18" rooted cuts \$ 5.00  
Specimen 30" 10.00

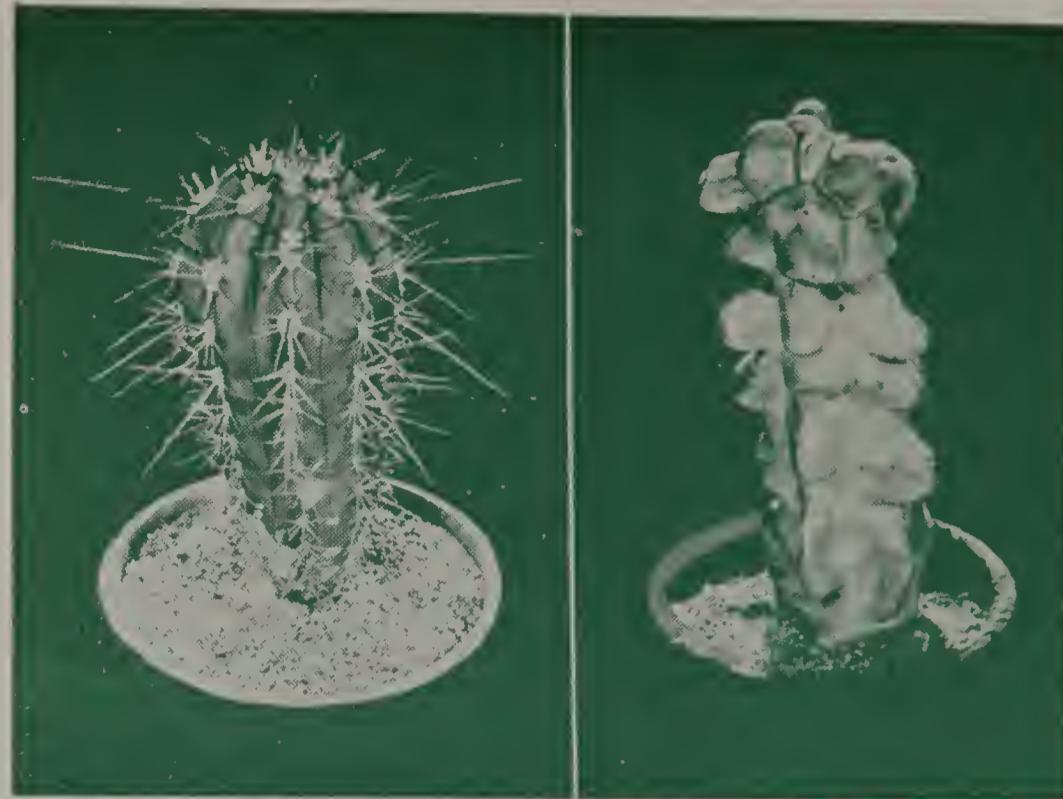
*C. chrysacanthus*, Mexico. Golden yellow spines, dense masses of white hair, 8 to 10" imported plants \$2.00

*C. deeringi*, One of the two Fla. *Cephalocerei* 50c

*C. dybowskii*, Similar to *Euphorbia lanata* with protruding fine yellow spines, 6" up \$1.00 up

*C. glaucescens*, Blue with yellow spines, S. 35c up

*C. gannellei*, Brazil. Amber-yellow spines with white hairs, S. 50c

Left—*Stetsonia coryne*Right—*Lophocereus schotti monstrosus*

*C. hoppenstedtii*. Mexico. Slender, columnar, 20 or more ribs, white spines, striking ..... \$1.00 to \$2.00  
*C. nobilis*. West Indies. Rooted cuts ..... 50c  
*C. palmeri*. Mexico. One of the very good ones. 8 to 9 in. Very wooly. S. 25c; imported plant ..... \$1.50  
*C. phaeacanthus*. Brazil. 8 in. Slender, low ribbed ..... \$1.00  
*C. polylophus*. Mexico. 4 and 6 in. 15 to 18 ribs. Bearing white felt but no wool. Yellow spines, good 50c and \$1.00  
*C. senilis*. Mexico. "The Old Man." Beautiful, long hair. 2 in. 25c; 5 in. 75c; 7 in. \$1.50; 9 in. \$2.00; 11 in. \$3.00; 16 in. \$5.00.

## CEREUS

The *Cerei* in general are tall columnar plants having large, white, nocturnal flowers.

*C. boliviensis* var. *monstrosus* ..... 25c to \$2.00  
*C. coerulescens* (*aethiops*). Argentina and Brazil. Of an unusual purple shade with black spines; slow grower ..... 25c to 50c  
*C. compispinus* var. *monstrosus* ..... 25c to \$2.00  
*C. formosus* var. *monstrosus*. A curious plant covered with knobs rather than ribs ..... 25c to \$2.00  
*C. longispinus* var. *monstrosus* ..... 25c to \$2.00  
*C. monteileanus* var. *monstrosus* ..... 25c to \$2.00  
*C. peruvianus* hybrids and what have you. The usual conglomeration. Per foot up to 4 ft. ..... 35c  
 Plants over 4 ft. per foot ..... 50c  
 S. ..... 15c  
*C. peruvianus* *monstrosus*. Another knobby plant. 25c, 50c, \$1.00 up.

*Chamaecereus sylvestri*. "Peanut Cactus." Always remains small, hence very suitable for bowls. Free bloomer, orange red. Likes a little shade. Argentina ..... 15c to 25c

*Cleistocactus baumannii*. Argentina. Curious and interesting with green-tipped red fls. that look like little candles ..... 15c to 25c

*C. buchtieni*. Slender *Cereus* from Bolivia. Good sized branching plants ..... 75c

*C. smaragdiflora*. Slender stems with green tipped red flowers ..... 50c; grafted \$1.00

*C. (Borzicactus) stranssi*. Peru. Slender *Cereus* covered with white wool-like spines. Fls. tubular, red. Hardy ..... 15c to \$1.00

*Cochliocactus* are Lower California plants with elongated heads and brilliant, red, tubular fls.

*C. maritima*. Lower Calif. Brown hooked spines; dark ..... \$1.00



### Cereus formosus monstrosus

<i>C. poselgeri</i> , S. Lower Calif.; straw colored spines; scarlet fls.	\$1.00
<i>C. setispina</i> . White hooked spines. One of the rarest of plants and splendid	\$1.00 to \$3.00
<i>Corycactus melanotrichus</i> . Bolivia. Slender, columnar, branching. Red fls.	75c up
<i>Corphyllanthe clavata</i> . Mexico. Brown-gray, appressed spines	50c
<i>C. cornifera</i> . Mexico	\$1.00 S. 25c
<i>C. erecta</i> . Mexico. Clusters; free flowering; yellow fls.	25c to \$1.50
<i>C. pallida</i> , S.	25c
<i>C. radians</i> . Mexico	\$1.00
<i>Dolichothele longimamma</i> . Mexico. Seedlings 25c; imported plants	\$1.00
<i>D. sphaerica</i> . Texas. "The Nipple Cactus." Large, lemon-colored fls.	50c
<i>D. uberiformis</i> . Mexico	\$1.00
<i>Echinocactus electracanthus</i>	50c to \$1.00
<i>E. grusoni</i> . Mexico. The beautiful "Golden Ball" which will grow larger than a bushel basket	15c to \$3.00
<i>E. ingens</i> . Mexico. Yellow Fls.	35c to \$1.00
<i>E. horizontalonins</i> . Texas. Rots easily. Must be planted in rubble so no wet earth surrounds the base	15c to 50c

### ECHINOCEREUS

The *Echinocerei* are small plants that usually form clusters and have very beautiful blooms.

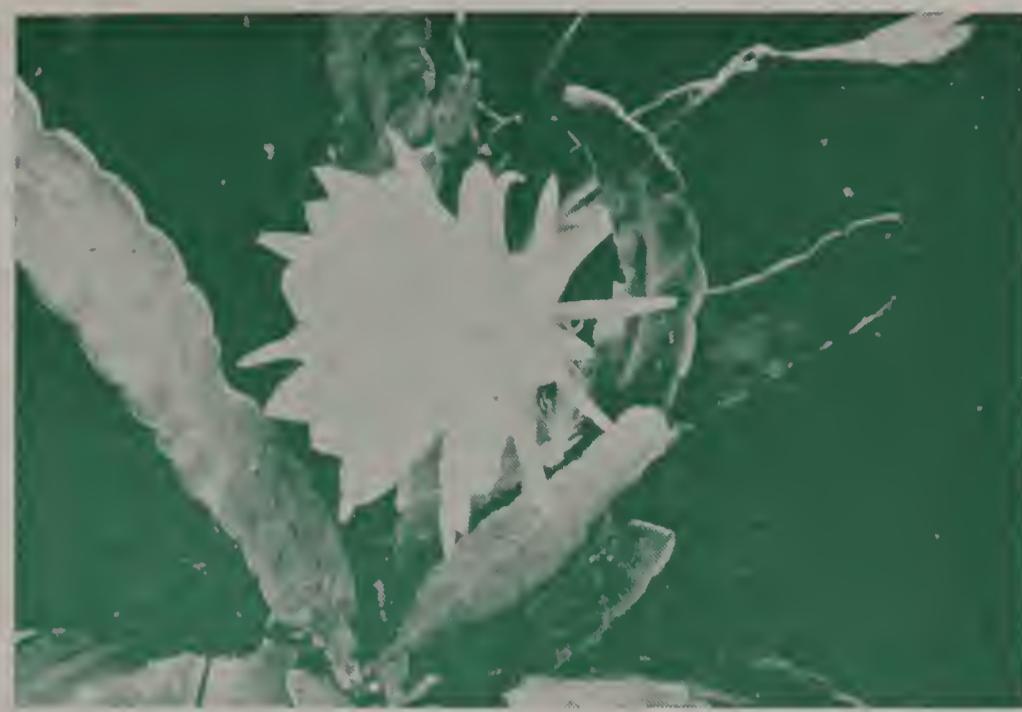
<i>E. albispina</i> . Recently discovered variety from Oklahoma with short white spines and frilly rose blossoms	25c to 50c
<i>E. amoena</i> . Mexico	\$1.00
<i>E. barthelowianus</i> . Lower Calif.; white or purplish spines with brown or blackish tips	\$1.00
<i>E. blanckii</i> . Texas. Slender stems; large, reddish purple fls.	25c to \$1.00
<i>E. berlandieri</i> . Texas. Similar to <i>E. blanckii</i> with slenderer stems. Very free bloomer	25c to \$1.00
<i>E. brandegeei</i> . Lower Calif. Grows in clump. Flowers purplish	50c
<i>E. castanea</i> . Mexico	\$1.00
<i>E. chloranthus</i> . Texas. Green fls.	15c to 35c
<i>E. dasycanthus</i> . Texas. Rainbow. Large yellow flowers	15c to 50c
<i>E. delaetii</i> . Coahuila. 2 1/2 in. white, hair-like spines with a few reddish bristles. Fls. pink. Resembles a small <i>C. senilis</i> . Grafted plants \$1.00; own roots plants 75c	
<i>E. de la Paila</i> . Mexico	\$1.00
<i>E. engelmanni</i> . Calif. Hedgehog. Magenta to purple blooms	25c up

<i>E. enneacanthus.</i> Texas. Loosely clustered; reddish purple 2 in fls. Good clusters	50c
<i>E. erbenbergi.</i> Mexico. Fine purplish blooms. Setaceous spines	25c to 50c
<i>E. ferrerae.</i> Lower Calif. Beautiful, large, pink, flowers	50c
<i>E. fitchi.</i> Texas. Brownish, pectinate spines	25c
<i>E. flavispinus.</i> Mexico	\$1.00
<i>E. knippelianus.</i> Mexico. "Elephant's Skin." 5 to 7 ribs; dark green, wrinkled. Unusual pink fls. Grafted. Good size	50c to \$1.00
<i>E. longispina.</i> Oklahoma. Fine long dense yellow spines, large rose blossoms	25c to 50c
<i>E. lutea.</i> Rare Sonoran species. Similar in appearance to <i>E. knippelianus.</i> Yellow bloom	75c and \$1.00
<i>E. merkeri.</i> N. E. Mexico. Similar to but heavier than <i>E. erbenbergi.</i> Fls. purple	\$1.00
<i>E. papillosus.</i> Texas. Very attractive with enormous, yellow fls. with brown centers	50c to \$1.00
<i>E. pentalophus</i>	50c
<i>E. pulchellus.</i> Mexico. Dwarf	\$1.00
<i>E. reichenbachi.</i> Texas. White pectinate spines. Lacy appearance. Purple blooms	15c to \$1.00
<i>E. rigidissimus.</i> Beautiful Arizona Rainbow	50c
<i>E. salm-dyckianus.</i> Mexico	\$1.00
<i>E. sarissiphorus.</i> N. E. Mexico. Very fine; purplish fls.	35c to 50c
<i>E. scheerii.</i> Caespitose. Rose-red to crimson flowers long lasting and beautiful. Chihuahua.	35c to 50c
<i>E. sciurus.</i> Lower Calif.; magenta fls.; pale spines, brown tipped, very rare	75c to \$1.00
<i>E. stoloniferus.</i> Comparatively new species described in our Vol. 9, No. 10, Cactus and Succulent Journal. Alamos, Sonora Mexico	75c and \$1.00
<i>E. stramineus.</i> Texas. "Strawberry Cactus." Purple	25c to 50c
<i>E. triglochidiatus.</i> The Claret Cup. Texas	50c
<i>E. viridiflorus.</i> Texas	15c
<i>Echinomastus intertextus</i>	15c to 25c

## ECHINOPSIS

Plants characterized by prominent ribs and very large, long-necked fls. of singular beauty.

<i>E. auncistrophora</i>	50c
<i>E. bridgesii.</i> Caespitose, spiny. Bolivia	25c
<i>E. calochlora.</i> Brazil. Distinctly different from its fellows by its vivid yellow-green color and more appressed and tuberculate ribs. Fls. white. Extremely slow growing	25c to 75c, Graft \$1.00
<i>E. eyresi.</i> Brazil. Fls. white; spines unusually short; free bloomer	15c to \$1.00
<i>E. buottii.</i> Slender dull green, large white flowers. (S. Am.)	35c to 50c
<i>E. mammilosa.</i> Bolivia. Fls. white	25c to 50c
<i>E. multiplex.</i> Brazil. Beautiful pink fls. on green globes with long, yellow spines	15c to \$1.00
<i>E. nuda</i>	25c to 50c
<i>E. obrepanda (misleyi).</i> Bluish green, white or purplish fls.	50c
<i>E. polyancistra.</i> 2 1/2 in. Fine form	25c to 50c
<i>E. tephrantha.</i> Pale, ruffled, double pink, deep pink stripes, fragrant	35c
<i>E. species.</i> Very tall growing. Free bloomer; deep rose flowers later	35c



Epiphyllum pfersdorffii

### EPIPHYLLUM (PHYLLOCACTUS)

The *Epiphylla* well deserve the name of "Flowering Cacti." They have some of the most beautiful flowers in the Cactus family and they are admirable house plants.

*Epiphylla* are 35c for rooted cuts and 75c up for large plants.

*E. ackermannii* hybrids. Red fls. R.C.

*E. adonis*. Delicate rose.

*E. adoration*. Large dusky pink.

*E. agathe*. Brilliant red center overlaid purple.

*E. Amber Queen*. Large copper. R. C.

*E. anguliger*. The leaves are the most beautiful of all the *Epiphylla*. They are shining, vivid green, very deeply and regularly cut. Lovely as a house plant even when not in bloom. White blossoms not large but fragrant.

*E. bella*. Rose.

*E. brilliant*. Scarlet.

*E. conway's giant*. Beautiful, large, red flower with purple throat, R. C.

*E. cooperi*. White R. C.

*E. desert sunrise*. Medium to large flowers. Outer petals scarlet, inner petals orange red bordered with violet.

*E. eden*. Large flowers, outer petals bronze, next yellow, inner petals white. Fragrant.

*E. fiesta*. Wide opening, orange petals bordered with purple.

*E. german empress*. Rose pink.

*E. gloria*. Copper.

*E. hermosum*. Wonderful red fls. with purple throat.

*E. Johanna Schmidt*. Very light copper.

*E. mane*. Very large lavender flower.

*E. orion*. Dark scarlet with purple shading.

*E. oxy petalum (latifrons)*. Large fls., prolific night bloomer, flat branches. R. C.

*E. pfersdorffii*. White, large, prolific bloomer. R. C.

*E. roseum superbum (kaiserin)*. Bicolor pink and white. Blossoms not large but very profuse.

*E. stenopetalum*. Mexico. One of the most beautifully shaped and freely blooming white ones although not as large as some. R. C.

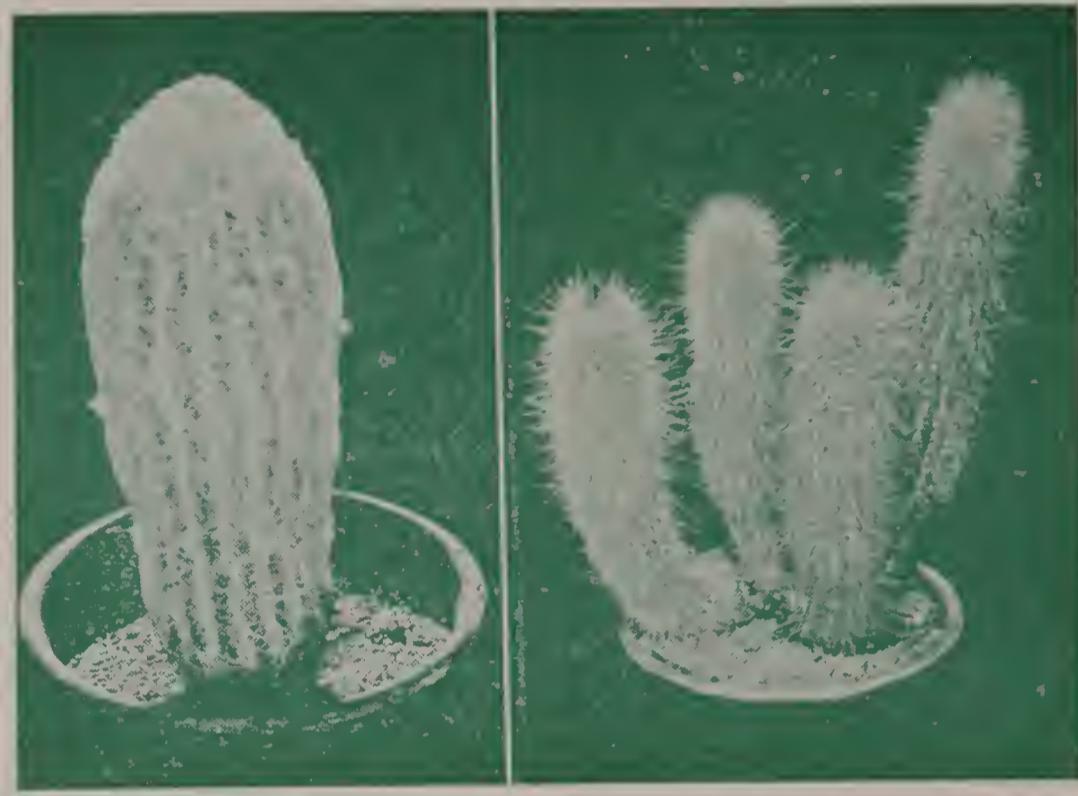
*E. sunburst*. Open rosette, brilliant copper, purple center.

*E. tulip*. Large tulip-shaped flowers. Brilliant red.

*E. tige rouge*. Brilliant scarlet, violet in throat.

*E. tigrina*. Large bright red flowers.

*E. uerayi*. A decided cream. R. C.

Left—*Espostoa lanata*Right—*Cleistocactus straussi*

*Epithelanthus micromeris*. Texas. "The Button Cactus."

Charming, pure white, little buttons with pink fls. followed by red fruit. One of the smallest .....

25c

A few clusters .....

\$1.00

*Escobaria dasyacantha*. Texas. Similar to *E. tuberculosa* with more regular spines. Fls. pink .....

15c to 25c

*E. runyoui*. Texas. Small variety; spines white tipped with brown. Fls. yellowish; fruit red .....

15c to 25c

*E. tuberculosa*. Large for the genus. Spines gray; fls. pink; fruit red .....

15c to 25c

*Espostoa lanata*. Ecuador. The most beautiful of hairy cereus. Completely covered with white wool with a few stiff, yellow spines. Comes from the high Andes .....

50c to \$1.00

*E. sericata*. Similar to *lanata*. Probably a form of it grafted .....

75c to \$1.00

## FEROCACTUS

<i>F. acanthodes</i> . "The California Barrel."	All sizes	25c to \$1.00
<i>F. alamosanus</i> . Sonora. Very rare .....		\$1.00 to \$3.00
<i>F. coloratus</i> . Lower Calif. Most beautiful of all the Ferocacti. Dark red, broad spines .....		\$1.00 and \$2.00
<i>F. crassihamatus</i> . Pale green, ribs 13, prominent, areoles large flowers lilac .....		50c to \$1.00
<i>F. echidne</i> .....		\$1.00
<i>F. fordii</i> . Lower Calif. Fls. handsome purple or rose purple. A fine plant .....		50c to \$1.00
<i>F. gracilis</i> . Lower Calif. Red spines with a few of the radials white. Fl. petals red with yellow margins. Very fine .....		50c to \$1.00
<i>F. horridus</i> . Most formidably spined of all Feros. Lower Calif. .....		50c to \$1.00
<i>F. latispinus</i> . ( <i>E. corniger</i> ). A very symmetrical plant. Spines red, short and flattened. Flowers pink or white to purple .....		50c to \$1.50
<i>F. macrodiscus</i> .....		50c to \$1.00
<i>F. mathssoui</i> . Flowers early, while small .....		50c to \$1.00
<i>F. melocactiformis</i> ( <i>electracanthus</i> ). Mexico. The spreading amber spines make a very showy plant .....		50c to \$1.00
<i>F. nobilis</i> ( <i>recurvus</i> ). Mexico. Dark, red spines, centrals hooked; fl. petal red with white margins. A very showy plant .....		50c to \$1.50
<i>F. pringlei</i> . Mexico. Red spines with yellow fls. .....		50c
<i>Frailea dadaki</i> . Graft .....		35c



Left—*Echinopsis* species  
Right—Typical *lobivia* grafted

<i>F. grabliana</i> . Paraguay. Diminutive; reddish, fls. yellow. Grafted	30c
<i>F. pumila</i>	25c
<i>F. schilinzkyana</i> . Grafted	35c
<i>Grusonia bradtiana</i> . Limited supply. Small plants only	\$1.00
<i>G. rosarita</i> . Lower Calif. Reddish grey spines and red glochids	35c
<i>Gymnocalycium denudatum</i>	50c
<i>G. mihanovichii</i> . Paraguay. Small, globular, depressed; plant definitely light and dark banded. Fls. green	30c
<i>G. quehlianum</i> . S. Amer. Globular, depressed; few rounded ribs; fls. cream with violet shadings	30c
<i>G. saglione</i> . Lovely plants	50c
<i>Hematocactus setispinus</i> . The Texas Twisted-Rib. A most exclusive child with no near relations. One of the most persistent bloomers. Flowers lemon yellow with red centers	15c to 50c
<i>Harrisia</i> . Clambering, white flowered, nocturnal <i>Cereus</i> with beautiful, bright-red fruit. Extremely spiny	
<i>H. bonplandi</i> . Paraguay. Four sided	35c to 50c
<i>H. eriophora</i> . Cuba. 12 inches up.	35c
<i>H. justberi</i> . 4 to 5 ribs; dark green; short, conic, black spines	75c up
<i>H. martini</i> . Argentina	50c to \$1.00
<i>H. tortnosa</i> . Many ribbed, beautiful red fruit, cuts	25c
<i>Heliocereus speciosus</i> . Mexico. Beautiful <i>Epiphyllum</i> -like fls. with purple throat	35c to \$1.00
<i>Homalocephalus texensis</i> . The Texas Devil's Head. Re- sembles <i>E. horizontalinus</i> , but is much easier to grow. Lovely delicate blossoms, like strawberry ice cream in color	25c and 50c
<i>Hylocereus ocamponis</i> . Glaucous, 3-angled stem with a gold stripe on the ribs. Large, white, nocturnal flower	\$1.00
<i>H. polystachyus</i> . Rare from Columbia; strongly fragrant flowers	\$1.00
<i>H. undatus</i> . Night bloomers with many golden sta- mens. 14 in. flowers	25c to \$1.00
<i>Lemaireocereus beneckei</i> . Mexico. "The Silver Tip." Beau- tiful gray-blue. New growth covered with white pulverulence with contrasting, black spines. Small grafted plants	\$1.00
Prostrate type own roots 12 to 15"	\$1.00
<i>L. chende</i> . Tehuacan, Mexico. Low, much branched. 10 in.	25c to \$1.00

<i>L. chichipe</i> , Mexico. Tree-like. 9 to 12 ribs. Grayish spines. Small yellowish green fls. and spiny fruit.	
Very showy as a small plant	25c to \$1.00
<i>L. deficiens</i> , 6 and 8 in.	\$1.00
<i>L. dumortieri</i> , Mexico. Very striking columnar plant. Yellow spines	50c to \$1.00
<i>L. montanus</i> . Smooth definite trunk, ribs few, stout spines. A fine variety, 12 to 14"	\$2.00
<i>L. pruinosa</i> . New growth blue. Fine	\$1.00 up
<i>L. queretaroensis</i> , Mexico. Ribs 6 to 8, stout, light green covered with a grayish bloom. Large woolly areoles. Spines at first red, gray in age	50c to \$1.00
<i>L. stellatus</i> , Mexico. Blue-green; branching from base; fls. red, near top of plant; fruit red	50c to \$1.00
<i>L. thurberi</i> , Ariz. and Mexico. Scarce. Has a deciduous fruit. Green; many ribs; brown to black spines; white to light purple fls. about 2 in. across. Plants	\$1.50 to \$3.25
<i>Lerchtenbergia principis</i> . 2 year seedling	50c

## LOBIVIA

Medium sized, globular Cacti sometimes forming large clusters and with a wide variation in the brighter fls. From central S. America. A fine genus. Can be had grafted or own roots.

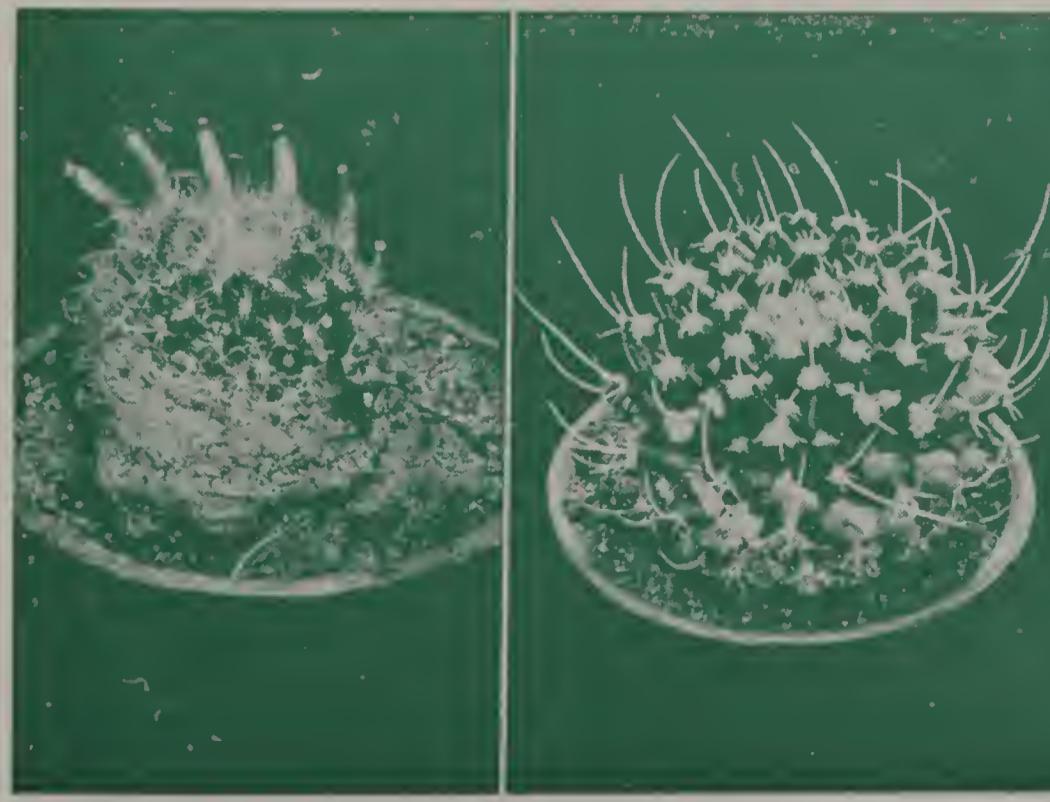
<i>L. allegraiana</i>	30c to \$1.00
<i>L. atrovirens</i>	35c to \$1.00
<i>L. aurea</i> , Argentina. Globular to cylindric; green, grey-black spines, yellow fls.	35c to \$1.00
<i>L. backebergii</i> . Distinctive plant. Easy to grow, fls. blue carmine	40c to \$1.00
<i>L. binghamiana</i> . Green; tuberculate ribs, black tipped spines, red orange fls.	50c to \$1.00
<i>L. boliviensis</i> . Vigorous growing plant with strong straight spines	40c to \$1.00
<i>L. caespitosa</i> . Fls. yellow and red	35c to \$1.00
<i>L. chrysantha</i> . Fls. gold yellow	\$1.00
<i>L. corbula</i> Fls. red orange	40c to \$1.00
<i>L. cylindrica</i> . Yellow fls.	75c
<i>L. drijveriana</i>	50c to \$1.00
<i>L. euanaantha</i>	50c
<i>L. famatimensis</i> . Fls. clear gold	50c
<i>L. formosa</i> ( <i>echinopsis</i> ). Argentina. Lavender grey spines, orange yellow fls. 2 to 4 in.	50c to \$1.00
<i>L. grandiflora</i> , Argentina. Yellow spines, pink fls.	75c
<i>L. haageana</i> . Appressed spines, gold fls.	50c to \$1.00
<i>L. bertrichtiana</i> . Free flowering, red	40c
<i>L. bossei</i>	75c
<i>L. incisa</i> . Fls. fire red	35c
<i>L. jojobana</i> . Fls. tomato red, most beautiful	\$1.00
<i>L. johnsoniana</i>	50c
<i>L. lateritia</i>	50c
<i>L. leucobodon</i> . Fls. lilac rose	\$1.00
<i>L. longispina</i> . Black hooked spines	60c to \$1.00
<i>L. marsonieri</i>	50c
<i>L. mistensis</i>	50c to \$1.00
<i>L. nealeana</i> . Grafted, fls. fiery red	35c to \$1.00
<i>L. pentlandii</i> . Showy, recurved spines	35c to \$1.00
<i>L. pseudocachensis</i> . Free flowering, fls. flame red	35c to \$1.00
<i>L. pseudocachensis</i> var. <i>cinnabarinus</i> . Fls. red	75c
<i>L. rebentzoides</i>	35c to \$1.00
<i>L. rhabdidaantha</i> . Most handsomely spined of all	50c to \$1.00
<i>L. rubescens</i> . Vigorous plant, black spines	60c to \$1.00
<i>Lophocereus schottii</i> , Ariz. and Mexico. A wonderful and much prized Cereus almost extinct in the U. S. except in cultivation	\$3.00 to \$5.00
10 to 12" seedlings, no spines	\$1.00
Mature spined rooted cuts	\$2.50 per ft
<i>Lophophora williamsi</i> , Texas and Mexico. The famous Peyote or Mescal Button. More has been written about this plant than any other in the Cactus world. Interesting and easy of culture	15c to 50c

<i>L. ziegleri leuini</i> . Mexico. Smooth compared to the preceding. Fls. pale yellow. Small seedling	25c
<i>Machaerocereus crux</i> . Lower Calif. "Creeping Devil." Looks like large, prickly caterpillar	\$1.00 to \$2.50
<i>M. gummosus</i> . Lower Calif. A heavily spined, sprawly to erect plant with wide open white to lavender, scented fls. Flowering branches 3 to 4 in. diameter.	\$1.00 up
<i>Mamillospis senilis</i> . Mexico. Rare	\$1.50

## MAMMILLARIA

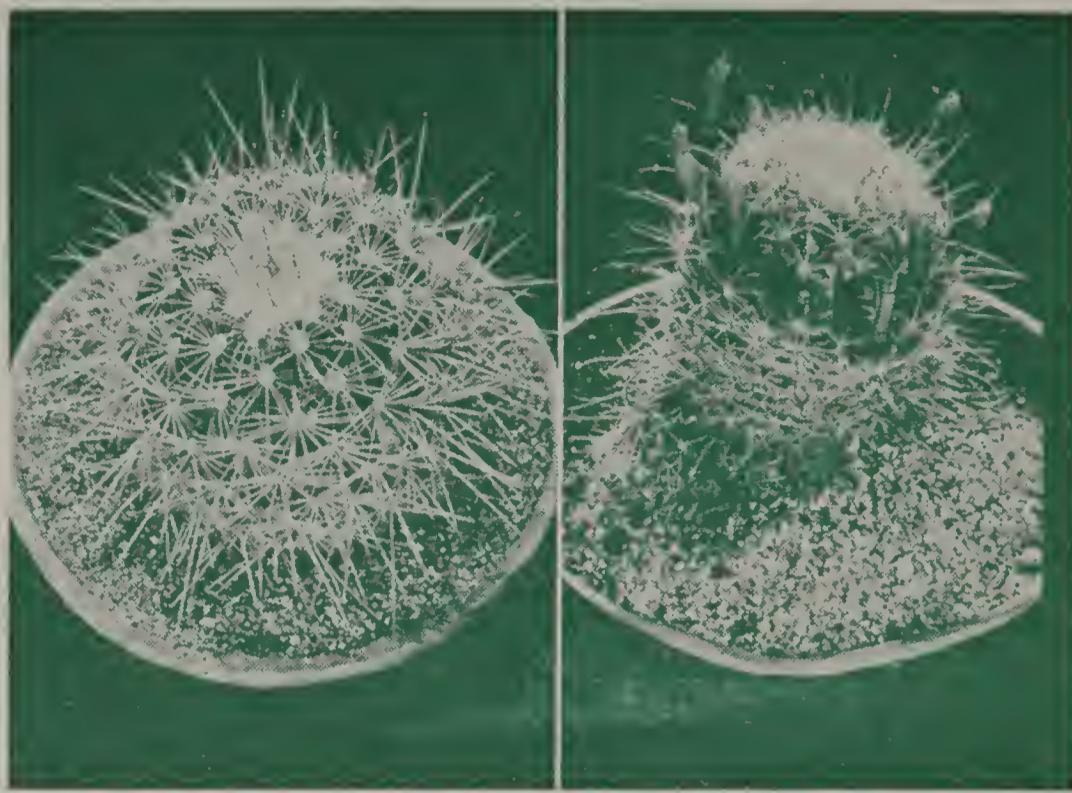
Some of the most interesting and varied plants are to be found among the *mammillarias*. They have spines of many colors and textures and wreaths of charming fls.

<i>M. acanthophlegma</i> . Seedlings	25c to 50c
<i>M. albescens</i> . Similar to <i>N. decipiens</i> with longer and gray-white spines. Mexico S.	50c
<i>M. baumii</i> . Small yellow fls. Fine lacy spines	\$1.00
<i>M. baxteriana</i> . Lower Calif. Milky globular. White spines; yellow fls.	\$1.00
<i>M. blossfeldiana</i> . Lower Calif. Small, hooked spine variety with large flowers for the genus, pink and white striped	75c
<i>M. bocasana</i> . Mexico. Woolly with brownish hooked spines. Beautiful	25c and 50c
<i>M. brandegei</i> , 2 in.	\$1.00
<i>M. calacantha</i> . Mexico. Globular with yellow and brown deflexed spines. Fls. red. Outstanding. S.	25c to 50c
<i>M. campotricha</i> . Mexico. Depressed globose; slender tubercles yellow curling spines. A very unusual plant with a tangled look	25c to \$1.00
<i>M. campotricha senilis</i>	\$1.00
<i>M. candida</i> . Mature plants	\$1.00 up
<i>M. celsiana</i>	50c and \$1.00
<i>M. centricirrha</i> . S.	25c
<i>M. cephalophora</i> . Small woolly	\$1.00
<i>M. chinocephala</i>	\$1.00
<i>M. compressa</i> . Central Mexico. Forms dense clusters. Has milky juice. Light red fls.	25c to \$2.00
<i>M. compressa</i> var. <i>longiseta</i>	25c
<i>M. conspicua</i> . Mexico. Cylindric. White radials, brown centrals. Fls. red. Live up to its name. S.	25c, 35c, 50c
<i>M. craigeana</i> . New discovery. S.	\$1.50
<i>M. crocidata</i> . S.	50c
<i>M. decipiens</i> . Mexico. Inconspicuous but pretty; gray, charming with pale fls. S.	25c to \$1.00



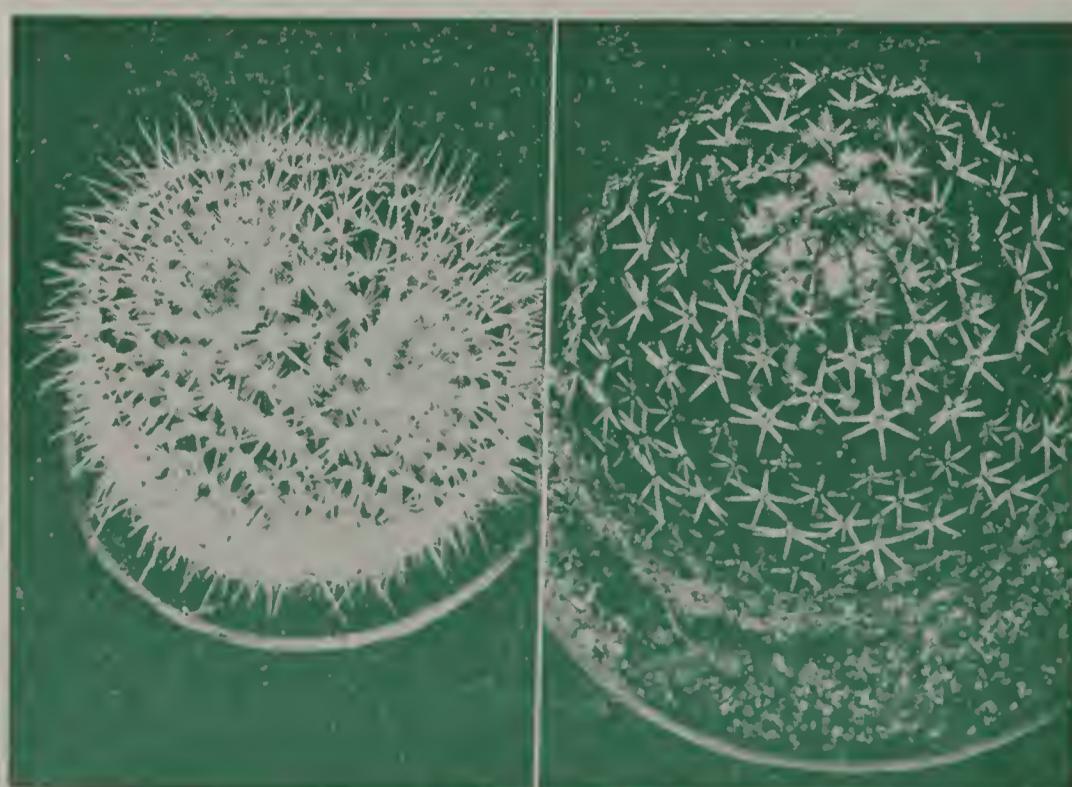
Left—*Mammillaria bocasana*

Right—*Mammillaria compressa*



Left—*Mammillaria geminispina*  
Right—*Mammillaria longicoma*

<i>M. dietrichii</i> , S.	25c	\$1.00
<i>M. dioica</i> . Dark, fishhooked Mam. Native to San		
Fl. petals creamy white with red midrib	15c to 50c	
<i>M. durispina</i> , 3 in. crimson fls. S.	25c	Plant 50c
<i>M. elongata</i> , Mexico. "Golden Lace Cactus." Golden		
yellow, soft, interlaced spines. Clusters	15c to 35c	
<i>M. elongata</i> var. <i>stella aurata</i>		15c to 35c
<i>M. fasciculata</i>		50c
<i>M. ferrari rubra</i> , 4 in.		\$2.00
<i>M. fischeri</i> (Pfeiffer). Same as <i>karwinskiana</i> (Martius).		25c to \$1.00
<i>M. formosa</i>		\$1.00
<i>M. fragilis</i>		15c
<i>M. geminispina</i>		25c, 50c, \$1.00
<i>M. gummifera</i> , Chihuahua, Mex.		\$1.00
<i>M. hamiltonii</i> . The old lady of Mexico. One of the		
most beautiful plants. S.	25c, 50c	Pl. \$1.00
<i>M. hamiltonii</i> var. <i>giselana</i> , S.		25c to 50c
<i>M. hamilton boylei</i>		25c to \$1.00
<i>M. Hoffmanniana</i>		25c to \$1.00
<i>M. hidalgensis</i>		25c
<i>M. Johnstonii</i> , Sonora		\$1.00



Left—*Mammillaria parkinsonii*  
Right—*Mammillaria durispina*

<i>M. karwinskiana</i>	25c to \$1.00
<i>M. kelleriana</i> . New discovery	25c to \$1.50
<i>M. klissingiana</i>	\$1.00
<i>M. lindsayi</i> , Chihuahua, Mex. Discovered 1939 by Geo. Lindsay and Dr. Craig	\$1.00 and \$2.00
<i>M. longicoma</i> , 2½ in.	25c to 35c
<i>M. magnimamma</i>	25c to \$1.00
<i>M. mainae</i> , Sonora, Mexico	\$1.00
<i>M. marshaliana</i>	\$1.00
<i>M. martinezi</i>	\$1.00
<i>M. mendeliana</i>	25c to \$1.00
<i>M. microbeliopsis</i> , 1 in.	35c
<i>M. microthele</i> , S. 25c	Mature 50c
<i>M. multiformis</i>	\$1.00
<i>M. multihamata</i>	\$1.00
<i>M. mystax</i>	S. 25c; 4 in. \$1.00
<i>M. mundtii</i>	\$1.00
<i>M. occidentalis</i>	\$1.00
<i>M. ochoterenai</i> . Seedlings 35c	Mature \$1.00
<i>M. oliae</i> , Arizona	25c
<i>M. parkinsoni</i> , S. 25c	Mature \$1.00 up
<i>M. perbella</i>	25c to \$1.00
<i>M. pettersonii</i>	\$1.00
<i>M. phitauiana</i> . Described in Vol. II, Pg. 471, Cactus Journal; Lower Calif.; white spines with brown tips; fls. white striped with red	\$1.00
<i>M. plumosa</i>	35c to \$1.00
<i>M. polythele</i>	S. 35c; Large \$1.00
<i>M. pottsii</i> (Leona)	\$1.00
<i>M. pringlei</i>	\$1.00
<i>M. prolifera</i> , West Indies	\$1.00
<i>M. psuedo perbella</i>	\$1.00
<i>M. pygmaea</i>	50c
<i>M. rhodantha</i>	\$1.00
<i>M. rhodantha</i> ( <i>chrysacantha</i> )	\$1.00
<i>M. schiediana</i> , S.	35c
<i>M. sempervivi</i> , 1½ to 3 in.	35c to \$1.00
<i>M. sheldonii</i> , Sonora, Mex.	\$1.00
<i>M. sonoriensis</i> . Discovered 1940	\$1.00
<i>M. sphacelata</i> , S.	25c
<i>M. spinosissima</i> , 1 to 3 in.	35c to \$1.00
<i>M. standleyii</i>	\$1.00
<i>M. swinglei</i>	\$1.00
<i>M. tarajensis</i> , 2½ to 3½ in.	50c to \$1.00
<i>M. uncinata</i>	\$1.00
<i>M. vaupelli</i> , S.	25c; 3" \$1.00
<i>M. viperina</i> . Grafted	\$1.00
<i>M. winteriana</i> , 3½ in.	\$1.00
<i>M. woburnensis</i> , 1½ in. clump	25c
<i>M. woodsi</i> , S.	25c; 3" \$1.00
<i>M. zacariniana</i>	\$1.00
<i>Monvillea spegazzinii</i> , S. Amer. Beautiful, slender, purple-green stems mottled with cream. White flowers.	35c
<i>Myrtillocactus cochal</i> . Lower Calif. Branching; blue-green; columnar with heavy, gray-black spines. Small, white fls. and red fruit. Branching plants 8 to 16 inch	\$1.00 to \$2.50
<i>M. geometrizans</i> . Beautiful glaucous blue with black spines. A fine plant. Mexico	15c to \$1.50
<i>M. schenki</i> , Mexico	\$1.00
<i>Neobesseyea missouriensis</i> . The <i>Neobesseyas</i> are very beautiful, white spined, clusters with brilliant, red fruit. All very nearly alike	25c to \$1.00
<i>N. notesteini</i> , Montana. A very rare plant that took the prize as such at the Cactus and Succulent Show, 1936	50c to \$1.00
<i>Neolloydia begnini</i> . Pure white spines	\$1.00
<i>N. begnini senilis</i> , Mexico. Hidden by long, white spines with black tips	\$1.00
<i>N. conoidea</i> , Mexico. Gray-black spines. Rich purple fls.	35c

<i>N. texensis</i> . Texas. Gray-black spines and fine, pinkish purple fls.	15c to 25c
<i>Neopoteria</i> . Interesting globular cacti from S. America, mainly Chile, resemble <i>Echiocactus</i> .	
<i>N. acutissima</i> . Grafted	50c
<i>N. napina</i> . Smooth melon like, cream flower, grafted	\$1.00
<i>N. nidus</i> . Grafted	50c and \$1.00
<i>N. reichi</i> . Grafted	75c

## NOTOCACTUS

Globular to cylindric plants with fine flowers and usually highly colored spines.

<i>N. apricus</i> ( <i>Tabularis, Depressus</i> )	25c to \$1.00
<i>N. concinnus</i>	35c and 50c
<i>N. haselbergi</i> . Brazil. Globular; hidden by creamy, setaceous spines. Fls. red	50c to 75c
<i>N. leninghansi</i> . Brazil. Beautiful old gold spines. Fls. yellow. Good size grafted	\$1.00 to \$1.50; 3 year seedlings
<i>N. ottonis</i>	50c
<i>N. scopa</i> . Brazil. A most beautiful plant with slender white and red spines. Brown, fuzzy buttons at apex of plant turn into wonderful, yellow fls. S. 35c; grafted	\$1.00
<i>N. submammulosns</i> . S. Amer.	35c
<i>Nyctocerens serpentinus</i> . Tell columns, slender, growing to tops of houses. 50 white, very fragrant blooms on one stalk in a single night	25c to \$2.00
<i>Obregonia denegrii</i> . Mexico. Rare	\$1.00

## NOPALEA

*Nopaleas* are *Platycopuntia* type plants but the flowers never open wide and the stamens and pistil are exserted.

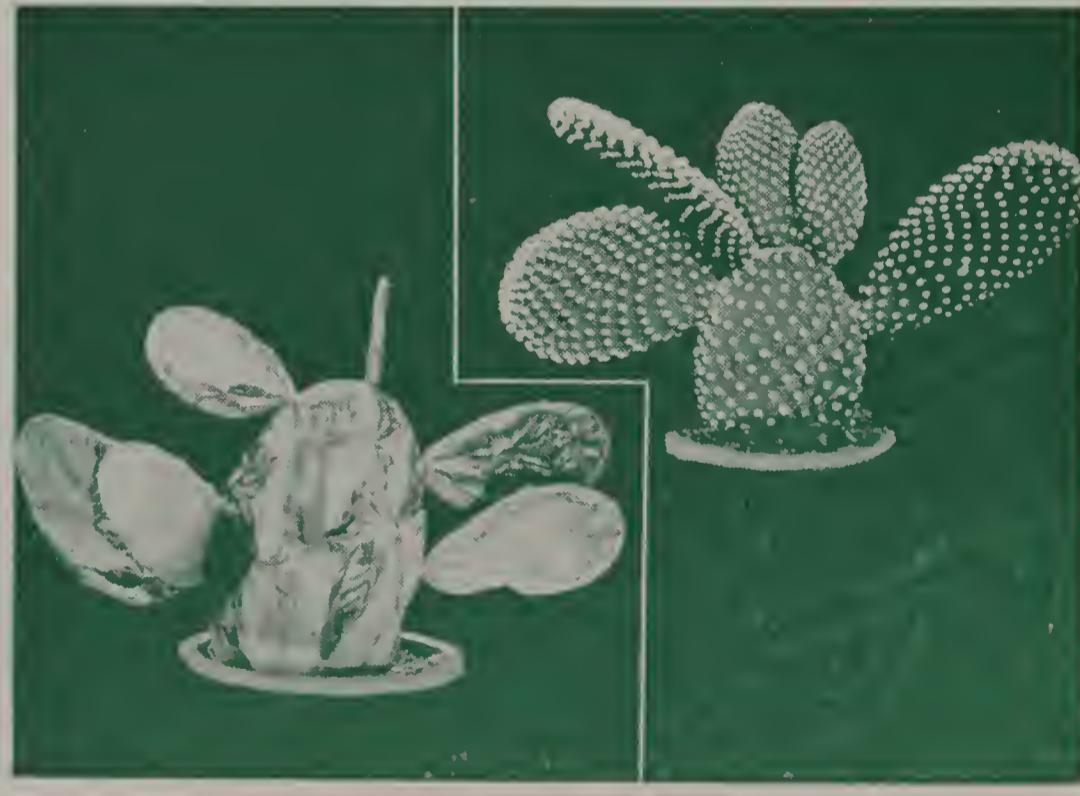
*N. auberi*. Smooth, spineless; free blooming; per cut 25c

*N. brittoni*. Mexico. Dully mottled, thick stems. Per cut 15c

*N. cochenillifera variegata*. Per cut 15c

*N. dejecta*. Panama. Winter bloomer. Per cut 10c

*N. dejecta variegata*. Unusual variegated form. Per cut 25c

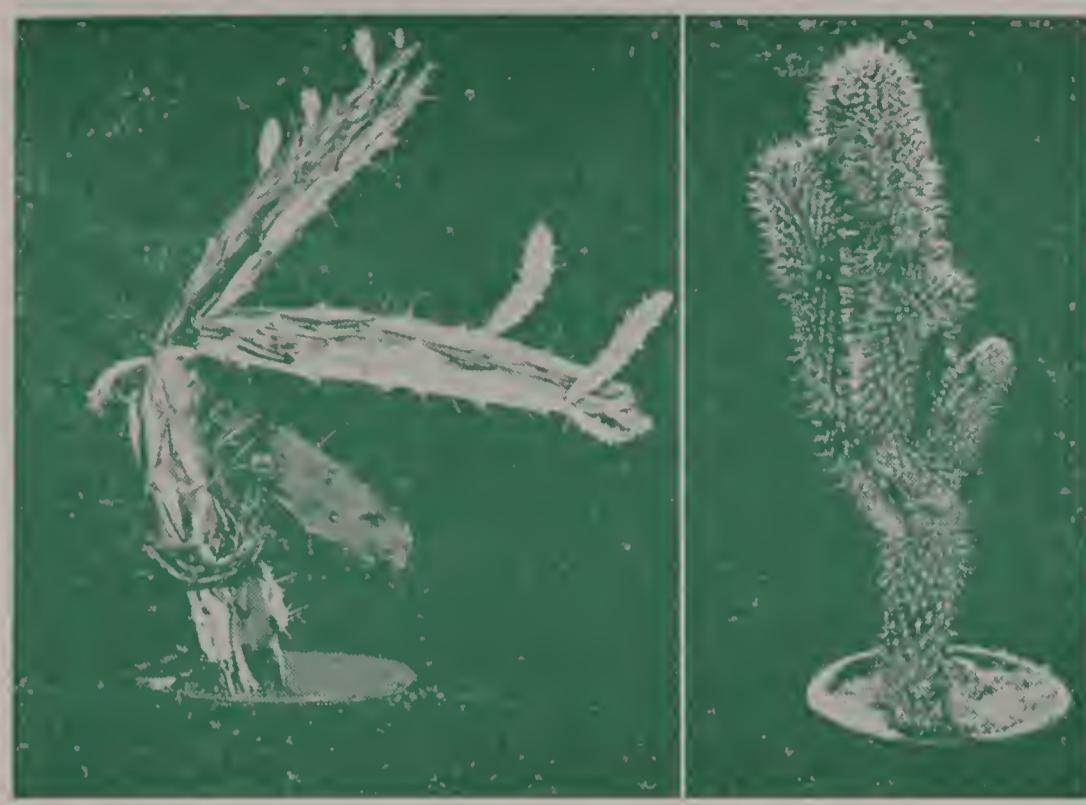


Left—*Nopalea cochenillifera variegata*  
Right—*Opuntia microdasys alba*

## OPUNTIA

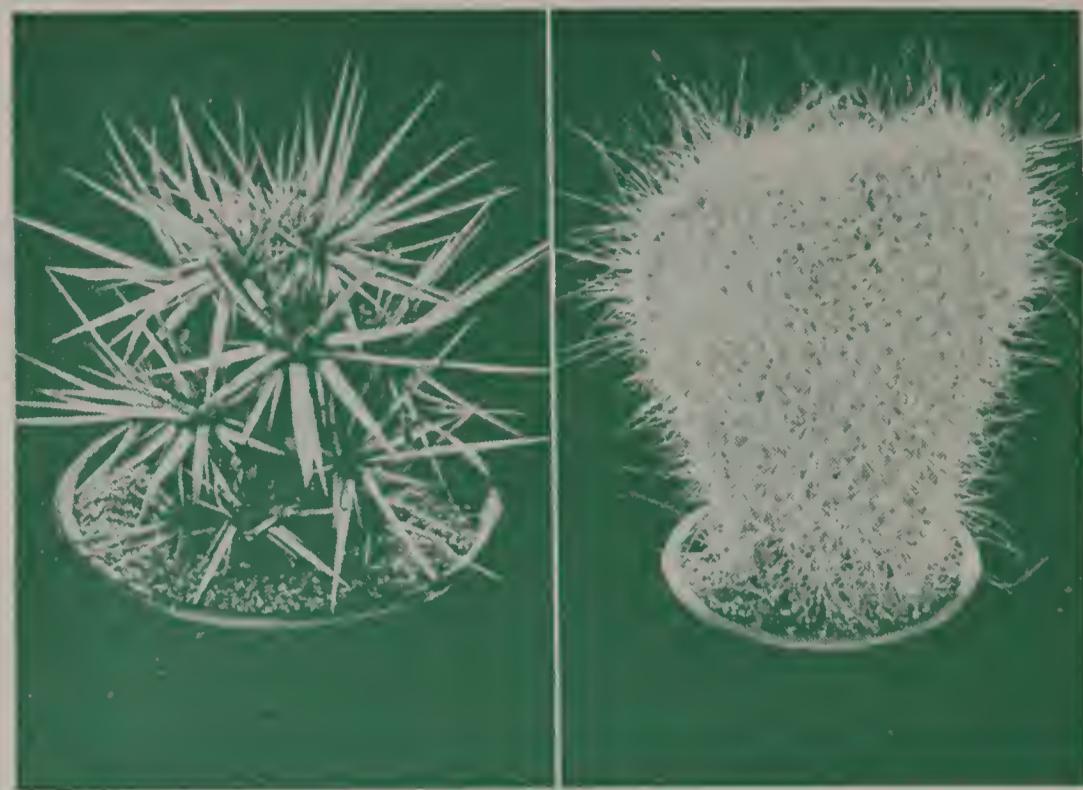
(Cylindrical and intermediate types). Cuts only. 10c each unless otherwise stated. Cuts of all cacti must be kept dry until rooted.

*O. acanthocarpa* var. Spines dark brown, red to yellow flowers. Ariz.



Left—*Nopalea dejecta variegata*  
Right—*Opuntia mammillata cristata*

*O. alabes.* Lower Calif. White spines. Fls. green-yellow.  
*O. azucrea.* Black spines, yellow flowers turning pink. Mex.  
*O. bigelovii.* The golden spined cholla. Except where desired for color scheme not desirable. Dangerous with its barbed spines and easily detached joints. Plants 35c  
*O. bradtiana.* Brownish yellow flower. Mex.  
*O. burrageana.* Bushy brownish red flowers. Lower Cal.  
*O. calmalliana.* Lower Calif. Slender; spine sheaths yellow.  
*O. cholla.* Lower Calif. Fls. deep purple. Brown sheathed spines.  
*O. ciribe.* Lower Calif. Similar to *bigelovii* but less spiny.  
*O. clavaroides.* Chile. Small, brownish, with minute spines. It always crests. Fls. light brown. Very unique. Large, grafted. No Cuts \$1.00  
*O. clavata.* Rough spines, yellow flowers. N. Mex.  
*O. clavellina.* Straw-colored spines. Yellow flowers. Lower Cal.  
*O. congesta.* Sonora. Slender, long spines with gold sheaths. Striking.  
*O. cylindrica.* Ecuador. Green, imbricate tubercles; fls. scarlet.  
*O. dasiisi.* Texas. Golden spines; fls. yellow.  
*O. echinocarpa.* Calif. "Silver and Gold Cholla."  
*O. exaltata.* White woolly, similar to *vestita*. S. Am. 35c  
*O. (Tephrocactus) floccosa.* Peru-Bolivia. "Polar Bear Cactus." Hardy. Globular to cylindric stems hidden by silky hair through which protrude yellow spines. Fls. yellow. Cuts 15c  
*O. fragilis.* Many jointed, flowers pale yellow. Northern U. S.  
*O. fulgida.* Arizona.  
*O. glomerata* (*Tephrocactus papyracanthus*) (*diademata*). Argentina. Has gray, paper spines on gray globes. Fls. white. Rooted Cuts 15c  
*O. (grusonii) hamiltoniae* 25c to 50c  
*O. microsperma.* Beautiful broad white spines, rare, unusual. Plant 75c  
*O. imbricata.* Colo. to Central Mexico. When kept properly trimmed this green, tree-like cactus is very ornamental. Fls. purple.  
*O. kleiniae.* Texas. Slender; long yellow spines.  
*O. kunzei.* Similar, but not exactly the same as *stanleyi*. 25c

Left—*Opuntia invicta*Right—*Opuntia erinacea cristata*

*O. leptocaulis.* S. W. U. S. Slender easily detachable joints. Has lovely red fruit that give the plant the appearance of a holly bush.

*O. (Tephrocactus) lagopus.* Beautiful S. Amer. covered with yellow wool. Grafted plants 50c to \$1.00

*O. mammillata.* Very tubercled. Arizona.

*O. ovata cespitose.* Yellowish green. Argentina.

*O. parrishi.* S. Calif. and Ariz. A creeping, clavate plant. The new growth in the spring is very beautiful. Numerous flat, white spines.

*O. parryi.* Light brown wool. Yellow spines. Yellow fls. Cal.

*O. prolifera.* San Diego. Vicious cholla with easily detached joints.

*O. (grusonia) rosarica* 25c to 50c

*O. salmiana.* Brazil, Paraguay, Argentina. Slender, purplish stems. Fls. pale yellow to white. Fruits scarlet, persistent, prolific. Charming.

*O. (grusonia) santa maria* 25c to 50c

*O. schotti.* White spines, yellow flowers. Tex.

*O. serpentina.* Prostrate, yellowish brown spines, greenish yellow fls. San Diego.

*O. spinosior.* Ariz. Short spines, gray to brownish. Fls. purple, pink, yellow, white.

*O. stanlyi.* Strongly tuberculate, spines reddish brown, flowers yellow. N. Mex. 25c

*O. strobiliformis* 50c

*O. subulata.* Argentina. Different from any native *Opuntia*. Round stems, pronounced, long, conic leaves.

*O. teres.* S. Amer. Attractive crimson fls.

*O. tesajo.* Lower Calif. Slender; long sheathed spines.

*O. tunicata.* Central Mexico, Ecuador, Peru, Chile. Very beautiful with white, sheathed spines (sometimes dark red.)

*O. testita.* S. Amer. Slender stems covered with soft, white hairs. New growth has long, narrow, terete leaves. Rare. Cuts 10c; Rooted plants 25c

*O. tuiipara.* Bluish green, yellow wool. Purplish flowers. Ariz.

*O. uebelii.* Densely spined, yellow flowers. Argentina.

*O. (grusonia) urightiana* 25c to 50c

*O. whipplei.* Ariz. to Colo. Light spine sheaths, fls. yellow.

*O. Dark red floured one.* Mexico.

## PLATYOPUNTIA

*Opuntia* (*Platyopuntia* or flat branched types). Cuts at 10c ea. unless otherwise stated. Keep dry till rooted.

*O. aciculata*. Texas. Covered with many auburn glochids. Fls. of surpassing beauty. Cuts 15c

*O. arenaria*. Prostrate, flowers red.

*O. angustata*. Ariz. Joints narrow; spines straw.

*O. aurea*. Utah to Calif. Hardy. Yellow and apricot fls.

*O. basilaris*. Calif. The Beaver Tail. A lovely plant varying in color from grey green to soft purple. Matte finish. Magenta bloomer plants 15c to \$1.00

*O. basilaris albiflora*. White flowered.

*O. basilaris brachyclada*. An anomalous form of *O. basilaris*.

*O. boldinghi*. Curacao to N. S. Amer. Few short, brown spines. Fls. rose.

*O. bondata*. Smooth, blue, thick pads. Spineless 15c

*O. brasiliensis*. Brazil, Paraguay, Peru, Argentina, Bolivia. A very fine, thin leaved, green *Opuntia* with a central trunk. Its form and its waxen-yellow fls. make it a desirable pot plant.

*O. decumbens*. Mex. to Guatemala. Prostrate. Dark spot at each areole.

*O. delicata*. Ariz. Glaucous; spines brown; fls. yellow.

*O. dilleni*. S. Carolina to Cuba. Yellow spines and fls.

*O. discaformis*. Very large.

*O. drummondii*. Prostrate, brownish red spines. Flowers yellow. Fla.

*O. elata-obovata*. Paraguay. A lovely dark green, smooth surfaced plant with a few long spines. Flower of an apricot shade. Unusual.

*O. erinacea*. Ariz. to Calif. "The Grizzly Bear." Long, numerous, soft, thin spines giving it a hairy look. Fls. magenta to yellow. Cuts 10c, plants 25c to \$1.00

*O. ficus indicus*. Common, spineless.

*O. galapageia*. Yellowish brown spines, flowers yellow. Galapagos Islands \$1.00

*O. grahamii*. Young spines white, turning brown. Texas.

*O. grandiflora*. Texas. Few spines. Large, yellow fls. with red centers. Cuts 20c

*O. heerfeldti*.

*O. hyptiacantha*. Oaxaca. Spines white, fls. red.

*O. knuthiana*. (Cuba). 10c

*O. laevis*. Large lemon yellow flowers tinged with red. Ariz.

*O. leucotricha*. A very large stately variety with short, pure white, hair-like spines.

*O. linguiformis*. The peculiar cow's tongue cactus of Texas.

*O. mac dougaliana*. Yellow spines becoming whitish. Mex.

*O. microdasys*. N. Mexico. Covered with tiny, golden yellow glochids looking like velvet but dangerously deceptive. Small ones perfect in bowls. Plants 15c to \$1.00

*O. milspaughii* (*Consolea*). 15c to 35c

*O. monacantha* (*vulgaris*). Brazil. Thin pads with long, dark spines.

*O. monacantha variegata*. The best seller because of its unusual marbled mosaic of color and design.

*O. moniliformis* (*Consolea haitiensis*). Few yellowish spines. Fls. yellow to orange. Pads 4 in. by 25 in. forms a tree 35c up

*O. pollardi*. N. C. to Miss. Prostrate, glaucous. Fls. yellow.

*O. polycantha*. Low, spreading plant, many spines, yellow flowers.

*O. pottsii*. Texas. Red flowered 50c

*O. pycnantha*. Creeping, spines yellow or brown. Lower Calif. 50c

*O. rafinesque (opuntia).* Indiana. Hardy. Small green pads. Grows erect in summer but becomes prostrate in fall so that snow will not break it.

*O. retrorsa.* Argentina. A very charming dark green, shining, sprawling *Opuntia*. Each spine seems to cast a long purple shadow. The joints are flat but very thick and nearly round.

*O. rhodantha.* Brownish spines, red or pink flowers. Colorado.

*O. rubescens (Consolea).* From Porto Rico. Smooth, dark green, almost spineless, rare and beautiful in shape 15c

*O. rufida.* Texas and Mexico. Like *microdasys* but the spines are auburn and more widely spaced. A perfect harmony of color are those rich hues on a dark, green ground.

*O. santa-rita.* Arizona. Purplish pads in winter. Sage green in growing season. Flowers golden yellow, as large as a water lily.

*O. scheeri.* Mexico. Almost covered with yellow, hair-like spines. Fls. yellow. Handsome. Cuts 15c

*O. scheeri.* White spines. Rare 25c

*O. strigil.* Texas. Many reddish-brown spines and glochids.

*O. sulphurea.* Argentina. Strikingly handsome. Cuts.

*O. tortispina.* Prostrate, spines white, yellow or brown. Flowers yellow.

*O. treleasei.* Rose flowers. Calif.

*O. whitneyana* var. *albiflora*. Hardy. Ruffled, white, many petaled fls.

## OREOCEREUS

*Oreocereus celsianus.* Bolivia. Brownish spines, long, wooly hairs on top 35c to \$1.50

*O. fossulatus.* Argentina. Long, white wool and long yellow spines. A fine *Cereus* 50c to \$5.00

*O. trolli.* The hairiest of the three *Oreocereus* listed here. Exceptionally beautiful 25c to \$1.00

## PACHYCEREUS

*P. marginatus.* Mexico. "Organ Cactus." Smooth, green columns, usually 4 to 7 ribs with small spines regularly spaced on them. Used as hedges in Mexico 25c to \$10.00

*P. pecten-aboriginum.* Mexico. Giant \$1.00

*P. pringlei.* Lower Calif. and Mexico. Similar to the *Carnegiea gigantea* but slenderer when young. One of the very largest cacti \$1.00 to \$2.00

*Parodia.* Recently discovered S. Amer. genus of great interest and beauty of spine and flower.

*P. aureicentra.* Hooked golden spines. Own roots 50c; grafted 75c

*P. aureispina.* Golden spines, yellow flowers 20c to \$1.00

*P. chrysacanthion.* Straight, golden spines 35c to 50c

*P. maassii.* Orange brown curved spines. 3 in. \$1.00

*P. microspherica.* White with brown central spines, own roots 50c; grafted 75c

*P. mutabilis.* Red hooked spine. Own roots 50c; grafted 75c

*P. nivosa.* White spines with red flowers \$1.00

*P. steumerii.* Similar to *P. maassii*. Own roots 50c; grafted 75c

*Pemocerus greggi.* The strange night bloomer of the S. W. Enormous tuberous roots; slender, ribbed stems; big, white fls. Grows in shade. Does not do well unless grafted. Large grafted plants \$1.00

*P. johnsoni.* Lower Calif. Like the above with fewer ribs and more velvety stems. Rare. Large grafted 50c

## PERESKIA

*Pereskiae* are the first form in evolution from other plants to Cacti. Cuts only for sale, easily rooted.

*P. godseffiana.* The most beautiful one in coloring of the leaves. Supposed to have been a sport and to have originated in Australia. A fine hot house plant. Plants 50c

<i>P. grandiflora</i> . Brazil. Large rose (sometimes white) fls. Cuts	20c
<i>P. pereskia (aculeata)</i> . Tropical Amer. A vine looking like a bougainvillea but a true Cactus. Very sweet, yellow, waxen fls. Rapid grower. Cuts, 10c; plants	20c
<i>P. sacharosa</i> . Cuts	10c
<i>P. rubescens</i> . Leaves reddish; cuts	10c
The <i>Pereskia</i> are the second step in evolution in Cacti.	
<i>Pereskia chapistole</i> . Branching with fleshy leaves and yellow flowers and red fruit. Mexico. Cuts	25c
<i>P. deguitii</i> . Cuts	50c
<i>P. porteri</i> . Lower Calif. and Mexico. Waxen yellow blooms, orange fruit, thick leaves, sprawling. Cuts	25c
<i>Ratbunia Alamosensis</i> . Cereus like plant from Alamos, Mex. 8" to 10"	\$1.00

## REBUTIA

*Rebutias* are small, free blooming, easily grown jewels from South America. They usually have short, soft spines and the brilliant fls. curving up from the lower part of the plant.

<i>R. aureiflora</i> . Grafted or own roots	35c
<i>R. citrocarpa</i> . Own roots	25c
<i>R. deminuta</i> . Fls. red. Small grafted 40c. Own roots	25c
<i>R. einsteinii</i> . Grafted or own roots	30c
<i>R. fiebrigii</i> . Bolivia. Scarlet fls.	25c
<i>R. kupperiana</i> . Grafted 75c. Own roots	25c
<i>R. minuscula</i> . Clusters of green globes with fine scarlet fls. Free bloomer	15c to 50c
<i>R. orurensis</i> . Grafted 35c to 60c. Own roots	25c
<i>R. pseudodeminuta</i> . Forms dense clusters. Gold-bronze fls. Small grafted 75c. Own roots	25c
<i>R. pygmaea (Lobivia)</i> . Argentina. A purplish colored little column with purple fls. Small grafted 50c. Own roots	25c
<i>R. senilis</i> var. <i>steineriana</i> . Setaceous white to gray spines. Very good. Small grafted 45c. Own roots	25c
<i>R. spegazziniana</i> . Fls. blood-red, large. Small grafted 75c. Own roots	25c
<i>R. steinmanni</i> . Bolivia. Own roots	25c
<i>R. violaceiflora</i> . Small grafted 50c. Own roots	50c
<i>R. xanthocarpus</i> var. <i>citracarpa</i> . Large ruby fls. Small grafted	35c to 50c
<i>Rhipsalis cereoscula</i> . New and Old World Tropics. "The Rice Cactus." An unusual plant good for hanging baskets	15c to 50c



Group of Seedlings

<i>R. bouleiana</i>	25c to 50c
<i>R. pachyptera</i>	25c to 50c
<i>R. pentaptera</i>	25c to 50c
Allied plants:	
<i>Hatiora salicornioides (Hariota)</i>	15c to 50c
<i>Lepidisperma cruciforme</i>	50c
<i>Roseocereus tephraeacanthus</i>	\$1.00

## SELENICEREUS

The Selenicerei are slender climbers. The flowers are white and in some varieties are as large as a dinner plate. Nocturnal.

<i>S. boeckmanii</i>	35c
<i>S. grandiflorus</i> . Mexico. Handsome, fragrant fls.	50c
<i>S. hamatus (rostratus)</i> . Mexico. A curious one that looks as if it were growing upside down. Blooms very beautiful and fragrant	25c to \$1.00
<i>S. macdonaldiae</i> . Uruguay. Lovely big blooms	15c to 50c
<i>S. murillii</i>	25c
<i>S. nelsonii</i>	\$1.00
<i>S. pseudospinulosus</i>	35c
<i>S. pteranthus</i> . Mexico. Large fls. with delicate fragrance. One of the very best. Bluish green to purple stems	25c to 50c
<i>S. spinulosus</i>	35c
<i>S. vagans</i> . Mexico. Slender, climbing	15c to 35c

## STENOCACTUS

An interesting Mexican genus, the plants having numerous ribs (from 10 to 122) usually wavy. Require calcareous soil.

<i>Stenocactus anfractuosus</i> . About 35 ribs. S.	25c	\$1.00
<i>S. bicolor</i> . Flat spines; ribs 33. S.		25c.
<i>S. carneus</i> . Few long spines; ribs 34. S.		25c
<i>S. coptonogonus</i> . S.		25c
<i>S. crispatus</i> . Spines light. Ribs about 25; fls. purple. S.		25c
<i>S. esperanzensis</i> . Small; ribs about 51. S.		25c
<i>S. flavispinus</i> . Long, light spines; ribs 30. S.	25c	\$1.00
<i>S. flexispinus</i>		\$1.00
<i>S. grandicornis</i> . Ribs 34 to 35. Fls. whitish purple. S.	25c	
<i>S. grisacanthus</i> . Light, slender spines. Ribs 34		\$1.00
<i>S. hastatus</i>		\$1.00
<i>S. lammellosus</i> . Few ecru spines. One spear-like standing straight up. Ribs 30. S.	25c	75c to \$1.00
<i>S. longispinus</i>		\$1.00
<i>S. ochoterensis</i> . Dark gray spines; ribs 34. S.	25c	\$1.00
<i>S. pehtacanthus</i> . Ribs 25 to 50; fls. deep violet. S.	25c	\$1.00
<i>S. phyllacanthus</i> . Ribs 30 to 35. Fls. yellowish. S.	25c	\$1.00
<i>S. polylophus</i>		\$1.00
<i>S. rectospinus</i> . Long, light brown, flattened spines. Radials white. Ribs 35		\$1.00
<i>S. robustus</i> . Few heavy spines; ribs 35. S.	25c	\$1.00
<i>S. naupelianus</i> . White radials, brown spines; ribs 50. S.	25c	\$1.00
<i>S. zacatacasensis</i>		\$1.00
<i>Stetsonia coryne</i> . One of the most striking of S. Amer. cacti. 4" up		50c up
<i>Strombocactus disciformis</i>		\$1.00

## THELOCACTUS

Globular with rather inconspicuous ribs and fine flowers.

<i>T. bicolor</i> . Lovely frilled blossoms	15c to 35c
<i>T. bueckii</i>	\$1.00
<i>T. ehrenbergii</i>	\$1.00
<i>T. fossulatus</i>	\$1.00
<i>T. hastiformis</i>	\$1.00
<i>T. hexaedrophorus</i> . Mexico	\$1.00
<i>T. knuthiana</i>	\$1.00

<i>T. leucanthus</i>	\$1.00
<i>T. longispina</i>	50c to \$1.00
<i>T. pectinatus</i>	50c to \$1.00
<i>T. phymatothele</i>	\$1.00
<i>T. porrectus</i> . Mex. Ribs rounded. Spines brown	35c to \$1.00
<i>T. rinconensis</i>	\$1.00
<i>T. saussieri</i>	50c

## TRICHOCEREUS

<i>T. bridgesi</i> . Bolivia. Hardy to 30 F. Stems green; few spines yellow; fls. white	40c
<i>T. candicans</i> . Argentina. Low heavy heads. Yellow spines. Large white fls.	25c to \$1.00
<i>T. chiloensis</i> . Chile. Dark green; heavy gray spines	50c to \$1
<i>T. huascha</i> . Argentina. Short spines; low grower; fls. yellow or red. Rare	50c to 75c
<i>T. lamprocchlorous</i> . Argentina. Forms dense clusters; bright green; yellow spines; fine white fls.	50c
<i>T. macrogonus</i> . Few rounded ribs; long spines; fl. buds covered with black wool. Fls. white	50c to \$1.00
<i>T. pachanoi</i> . Ecuador. Rounded, smooth, green ribs. Short spines. White fls. Very good	50c
<i>T. paraeana</i> . South America	50c
<i>T. pasacana</i> . Argentina and Bolivia. Hardy. Grows very large. In higher altitudes has white spines and wool; in lower brown spines only	25c to \$1.00
<i>T. poco</i>	50c
<i>T. sanguinea</i>	\$1.00
<i>T. schickendantzi</i> . Argentina. Low grower forming dense clumps. Fls. large, white	15c to \$1.50
<i>T. shaferi</i> . Argentina. Low, columnar, forming offsets. Fls. white	35c
<i>T. spachianus</i> . Fast grower, yellow spines, day bloomer	15c to \$1.00
<i>Weberocereus biolleyi</i> . Long slender climbing branches, pinkish flower. Costa Rica	\$1.00
<i>Werckleocereus tonduzi</i> . In greenhouse cultivation, plants are remarkably floriferous. Costa Rica	\$1.00

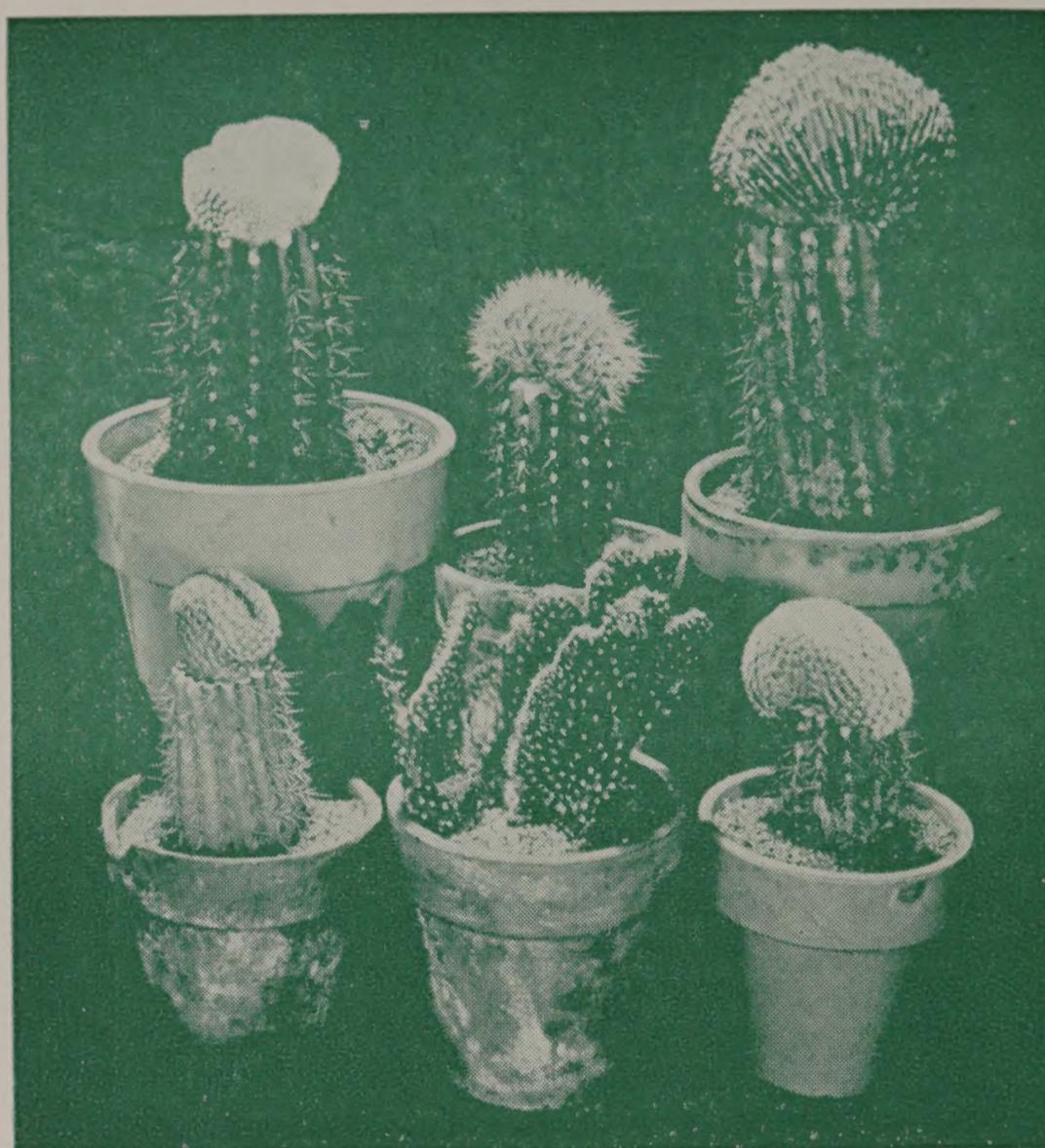
## WILCOXIA

<i>Wilcoxia australis</i> . Sonora. Soft spines and lovely creamy-pink fls. Grafted	30c
<i>W. poselgeri</i> . Texas. Snake-like. Large rose purple fls. with deeper throat. Grafted	25c
<i>W. senilis</i> . Mexico. Small, hairy plant looking like a slender "Old Man." Grafted	25c to 50c
<i>W. striata</i> . Calif. Very slender with wide gray ribs and purple fls. Grafted	35c
<i>W. tamaulipensis</i> . Mexico. Thickest of all the Wilcoxias. Rose purple fls. Dark stems. Grafted	50c
<i>W. viperina</i> . Mexico. Velvety looking stems. Red fls. Good. Grafted	25c to 50c

## ZYGOCACTUS AND SCHLUMBERGERA

*Zygocactus* and *Schlumbergera*. (Crab Cactus). The *Zygocactus* differ from the *Schlumbergera* by having irregular fls. and broader petals.

<i>Schlumbergera gaertneri</i> (Easter Cactus). Scarlet fls.	50c to \$1
<i>S. russeliana</i> (Easter Cactus). Scarlet fls.	50c to \$1.00
<i>Zygocactus bicolor</i> . Red and white flowers	50c to \$1.00
<i>Z. delicatus</i> . Fls. white. Rare. Nov. and Dec. flowering	\$1.00
<i>Z. le vesuv</i> . Dec. and Jan. violet. Grafted	\$1.00
<i>Z. Mme. Chatney</i> (Thanksgiving cactus). Nov. salmon fls.	50c, 75c, \$1.00
<i>Z. roseus amabilis</i> . Red fls. Nov.	\$1.00
<i>Z. truncatus</i> . Brazil. Xmas Cactus. Dec. Magenta fls.	25c to \$1.00



### TYPICAL GRAFTED CRESTS

Bottom—Left to right, upper row:

*Notocactus scopa*, *Thelocactus bolansis*,  
*Echinopsis multiplex*

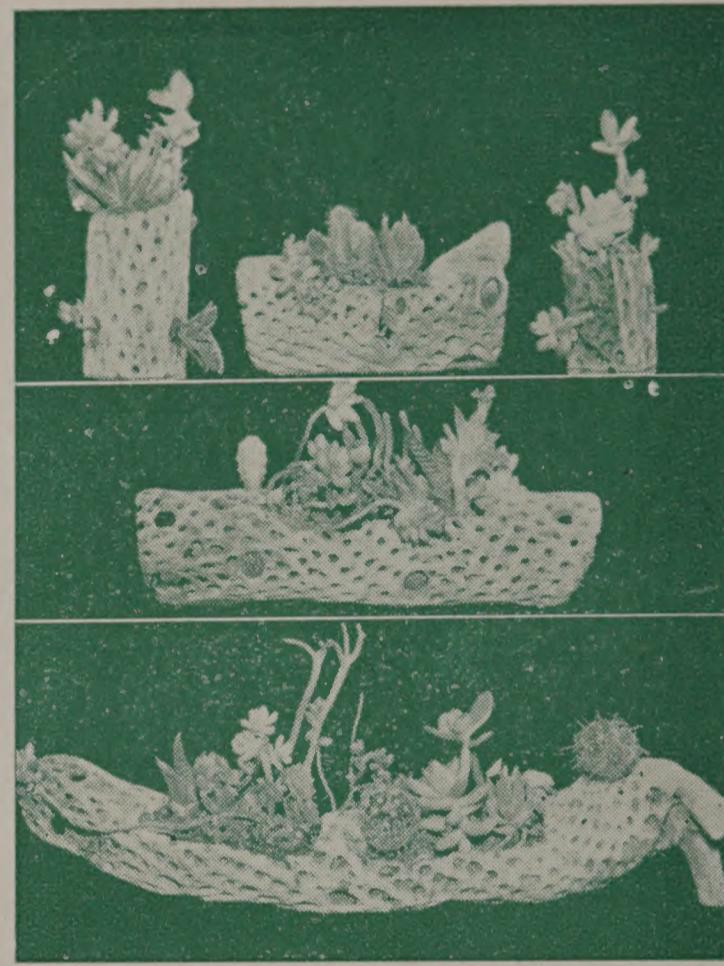
Bottom—Left to right, lower row:

*Echinocereus bonkeri*, *Opuntia cylindrica*,  
*Echinocereus reichenbachi*

### CRISTATES

<i>Aeonium arborescens</i>	50c
<i>A. arborescens</i> var. <i>atropurpurea</i> . Beautiful, large plants	50c, \$1.00
<i>A. tournifortii</i>	50c
<i>Echeveria crenulata</i> . Own roots	50c and \$1.00
<i>E. globosa</i> . Mexico. Blue; own roots	35c
<i>Euphorbia caput medusae minor</i>	75c
<i>E. regis-jubae</i> . Cuts, 50c. Plants	\$1.00
<i>E. lactea</i> . Small grafted 75c; Specimen	\$5.00
<i>E. nerifolia variegata cristata</i> . One of the rarest and most attractive crests, grafted	\$2.00
<i>Pachyphytum oviforme</i>	50c
<i>Pachypveria schiedeckerii</i>	15c to 35c
<i>Sedum praealtum</i>	15c and 25c
<i>Urbinia agavoidea</i>	50c
<i>Aporocactus flagelliformis</i>	\$1.00
<i>Cephalocereus</i> . Yellow spined, from S. A.	\$3.00
<i>Ceph. alensis</i>	3.00
<i>Ceph. nobilis</i>	\$1.00
<i>Ceph. palmeri</i>	\$2.50
<i>C. polygonus</i>	\$5.00
<i>C. polygonus senilis</i>	\$5.00
<i>Chamaecereus sylvestrii</i>	\$1.00
<i>Chilenia accutissima</i>	\$2.00
<i>Cleistocactus baumanii</i>	\$1.00
<i>Cleistocactus strausii</i>	\$2.50
<i>Coryphantha echina</i>	\$1.00
<i>Coryphantha erecta</i>	\$1.00
<i>Echinocereus berlandieri</i> . Texas. Vivid green	\$1.00
<i>E. bonkeri</i>	\$1.00
<i>E. brandigeei</i>	\$1.00

<i>E. caespitosus</i>	\$1.00
<i>E. chloranthus</i> . Texas. White woolly spines when grown under glass	\$1.00
<i>E. ehrenbergii</i>	\$1.00
<i>E. pectinatus</i>	\$1.00
<i>E. pectinatus adustus</i>	\$1.00
<i>E. pentalophus</i>	\$1.00
<i>E. reichenbachii</i>	\$1.00
<i>E. rigidissimus</i>	\$1.00
<i>E. stoloniferous</i>	\$1.00
<i>E. stramineus</i>	\$1.00
<i>E. viridiflorus</i>	\$1.00
<i>Echinopsis ancistrophora</i>	\$2.50
<i>E. leucantha</i>	\$2.50
<i>E. multiplex</i> . Grafted	\$1.00
<i>E. multiplex variegata</i> . Very rare. Grafted	\$5.00
<i>E. oxygona</i> . Brazil. Grafted	75c to \$2.00
<i>E. tubiflora</i> . Argentina. Grafted	\$1.00
<i>Euphorbia lanata</i>	\$2.00 to \$3.00
<i>Hickenia microsperma</i>	\$1.00
<i>Lobivia aurea</i>	\$2.50
<i>L. laterita</i>	\$2.50
<i>L. Pentlandi elegans variegata</i>	\$2.50
<i>Lophophora williamsii</i>	\$2.50
<i>L. zieglerii</i>	\$2.50
<i>M. boscasana</i>	\$1.00
<i>Mammillaria compressa</i> . Mexico. White spines	\$1.00
<i>M. elegans</i>	\$1.00 to \$2.00
<i>M. elongata, stella aurata</i>	\$1.00 to \$2.00
<i>M. fera rubra</i>	\$2.50
<i>M. geminispina</i>	\$1.00
<i>M. bahiana</i>	\$2.50
<i>M. hidalgensis</i>	\$1.00
<i>M. karwinskiana</i>	\$1.00
<i>M. kewensis</i>	\$1.00 and \$2.00
<i>M. multiceps</i>	\$1.00
<i>M. nivea</i>	\$1.00 to \$2.50
<i>M. painterii</i>	75c to \$1.50
<i>M. parkinsonii</i>	\$1.00 to \$2.50
<i>M. perbella</i>	\$1.00
<i>M. perbella pfeifferii</i>	\$2.50
<i>M. plumosa</i>	\$2.50
<i>M. pseudoperbella</i>	\$1.25
<i>M. rhodantha - rubra</i>	\$2.50
<i>M. spinosissima</i>	\$1.00
<i>M. subterraneous</i>	\$2.50
<i>M. wildii</i>	75c to \$1.50
<i>M. wrightii</i>	\$2.50
<i>Neolloydia grandiflora</i> . Mexico. Small, white. Rapid grower	\$1.00 to \$2.00
<i>N. horripila</i>	\$1.00
<i>Neopoteria reichi</i>	\$1.00
<i>Notocactus grossei</i>	\$1.00
<i>N. ottonis</i>	75c to \$1.00
<i>N. scopo</i> . Soft white spines. One of the best	\$1.00 to \$5.00
<i>N. submammulosus</i>	\$1.00
<i>Nyctocereus serpentinus</i>	\$1.00
<i>Opuntia clavarioides</i> . Chile. Small, brown with minute spines. Very curious. Grafted	\$1.00
<i>O. cylindrica</i> . Peru	\$1.00
<i>O. erinacea</i>	50c to \$1.00
<i>O. floccosa</i>	\$1.00
<i>O. mammillata</i>	50c
<i>O. proliifera</i>	50c
<i>O. vestita</i>	\$1.00 to \$2.50
<i>Rebutia miniscula</i>	\$1.00
<i>Solisia pectinata</i> . Mexico. White appressed spines	\$1.00
<i>Stenocactus hastatus</i>	\$2.50
<i>S. multicostatus</i>	\$2.50
<i>S. vaupellii</i>	\$2.50
<i>Strombocactus turbiniformis</i>	\$1.00



Cactus Wood Baskets planted with suitable Cacti and Other Succulents. (Illustrated above).

3-inch Upright (upper left)	25c
(Weight when packed for mailing 1 lb.)	
6-inch Horizontal (upper center)	50c
(Weight when packed for mailing 1 lb.)	
5-inch Upright (upper right)	35c
(Weight when packed for mailing 1 lb.)	
10-inch (center)	75c
(Weight when packed for mailing 2 lbs.)	
16-inch (lower)	\$1.25
(Weight when packed for mailing 4 lbs.)	

The above prices do not include postage, which differs according to the zone distance from San Diego. Consult your Postmaster.

